

VEHICLE STORAGE BUILDING

NAVAL AIR STATION OCEANA

DAM NECK ANNEX

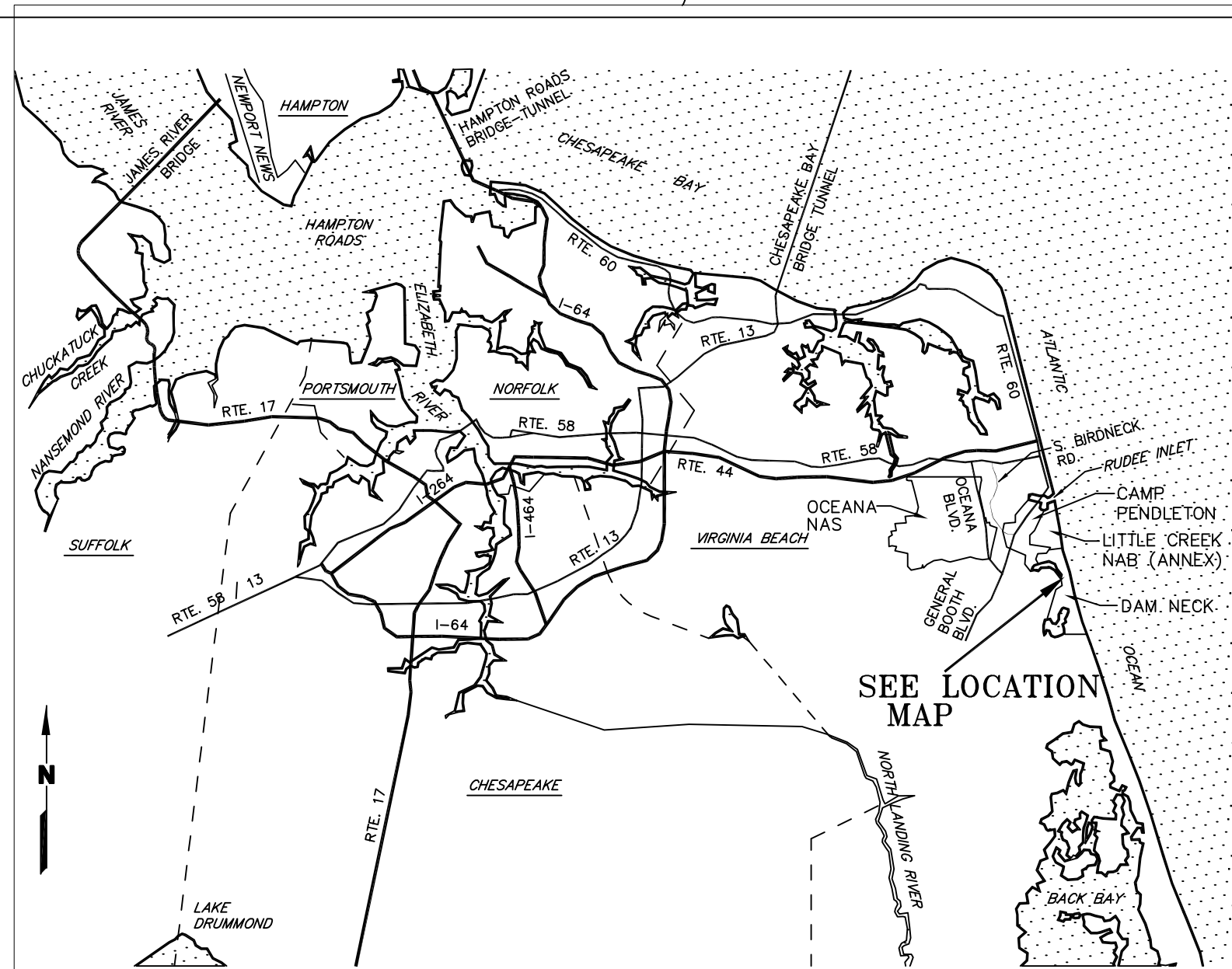
VIRGINIA BEACH, VIRGINIA

PWC DRAWING NUMBERS		DRAWING TITLES		PWC DRAWING NUMBERS		DRAWING TITLES	
1 OF 18	10433	G-001	TITLE SHEET				
		<u>CIVIL DRAWINGS</u>				<u>ARCHITECTURAL DRAWINGS</u>	
2 OF 18	10434	C-101	SITE PLAN	12 OF 18	10444	A-101	FLOOR PLAN, REFLECTED CEILING PLAN AND DETAILS
3 OF 18	10435	C-401	ENLARGED PLAN	13 OF 18	10445	A-201	ROOF PLAN AND DETAILS, ELEVATIONS
4 OF 18	10436	C-501	SECTIONS AND DETAILS	14 OF 18	10446	A-301	SECTIONS AND DETAILS
		<u>STRUCTURAL DRAWINGS</u>		15 OF 18	10447	A-601	SCHEDULES AND DOOR DETAILS
5 OF 18	10437	S-001	NOTES	16 OF 18	10448	<u>MECHANICAL DRAWINGS</u>	
6 OF 18	10438	S-101	FOUNDATION PLAN	16 OF 18	10449	M-101	MECHANICAL PLAN AND DETAILS
7 OF 18	10439	S-102	FLOOR SLAB PLAN	16 OF 18	10450	M-102	MECHANICAL PLAN
8 OF 18	10440	S-301	SECTIONS			M-601	SCHEDULES
9 OF 18	10441	S-501	DETAILS			<u>ELECTRICAL DRAWINGS</u>	
10 OF 18	10442	S-502	DETAILS	17 OF 18	10603	E-101	ELECTRICAL FLOOR PLAN
11 OF 18	10443	S-503	DETAILS	18 OF 18	10604	E-501	LIGHTING DETAILS
				16 OF 18	10605	E-502	ELECTRICAL DETAILS

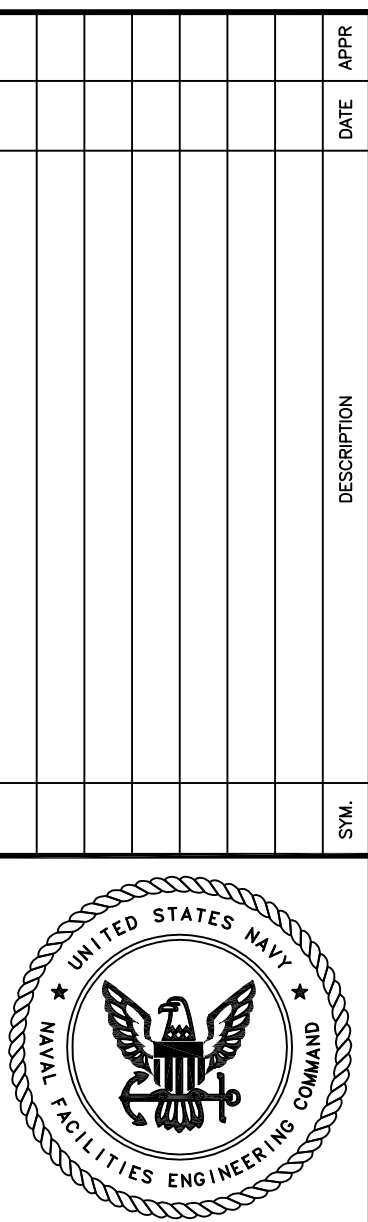
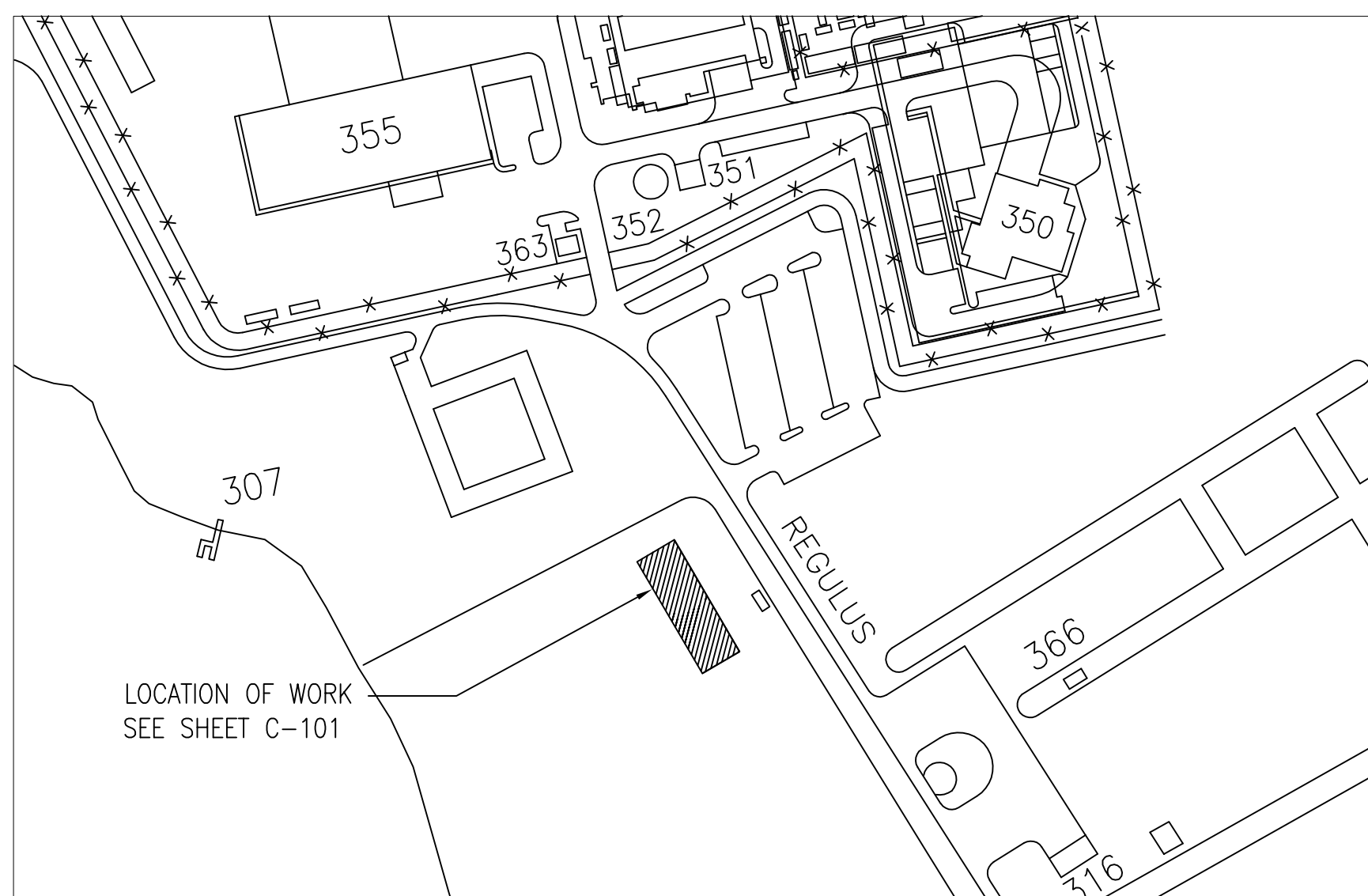
LOCATION MAP
OCEANA NAVAL AIR STATION DAM NECK ANNEX



VICINITY MAP
VIRGINIA BEACH, VIRGINIA



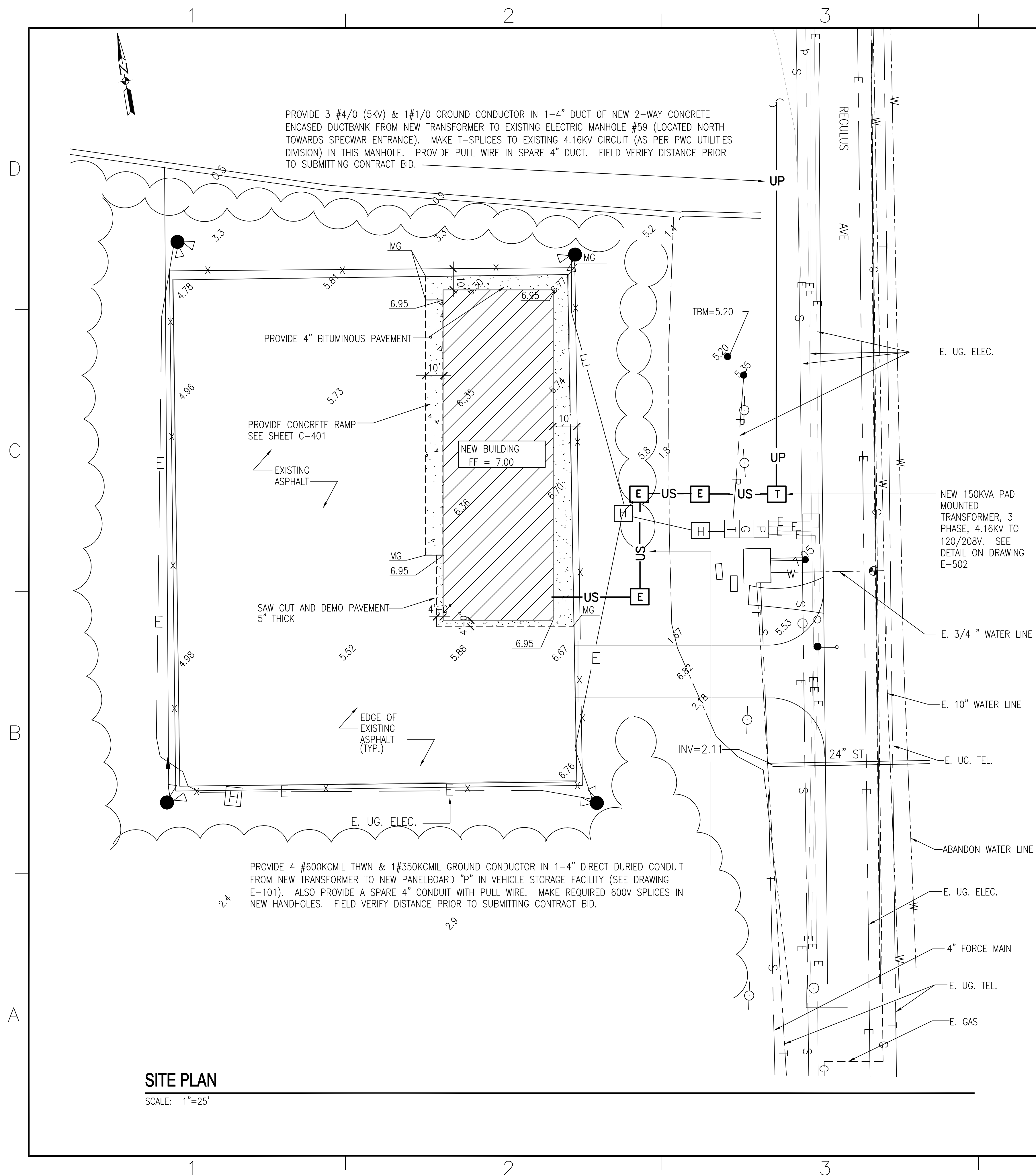
SITE MAP
OCEANA NAVAL AIR STATION DAM NECK ANNEX



APPROVED	SEAL
ACTIVITY - SATISFACTORY TO	
DATE	
APPROVED	
DATE	
A/E	PWC
DESIGN	
DRAWN	
REVIEW	
QC	
CHEF ARCH/ENGR.	
PROJECT MANAGER	C.B. MORRIS
FIRE PROTECTION	
BRANCH MANAGER	D.W. GREENFIELD
DESIGN DIRECTOR	DALE M. FIET

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVY PUBLIC WORKS CENTER	VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA	DAM NECK ANNEX
NAS OCEANA	VEHICLE STORAGE BUILDING
	TITLE SHEET

CODE ID. NO. 80091	SIZE D
SCALE: AS NOTED	
PWC DWG. NO. 10,433	
JOB ORDER NO. 1776176	
SPEC. NO. 05-03-1007	
CONSTR. CONTR. NO. N62470-03-C-1007	
NAVFAC DRAWING NO.	
SHEET 1 OF 21	
G-001	



GENERAL NOTES

1. ALL MATERIALS SHALL CONFORM TO VDOT STANDARDS.
2. TBM IS LOCATED ON MANHOLE RIM AS SHOWN ON PLANS. TBM=5.20
3. PROVIDE BOND BREAKER BETWEEN NEW STRUCTURE AND NEW BITUMINOUS PAVEMENT.

LEGEND

ITEM	EXISTING	NEW
SANITARY SEWER		
STORM DRAINAGE		
WATER		
SANITARY MANHOLE		
ELEVATION		
POWER POLE		
UNDERGROUND PRIMARY		
UNDERGROUND SECONDARY		
SWALE		
BITUMINOUS PAV.		
MATCH GRADE		
GAS		
WOODS		
UNDERGROUND TELEPHONE		
ELECTRIC HANDHOLE		
LIGHT POLES		
FENCE		
SAW CUT		
CONCRETE		
PAD MTD TRANSFORMER		
GENERATOR		
PRIMARY SWITCH		

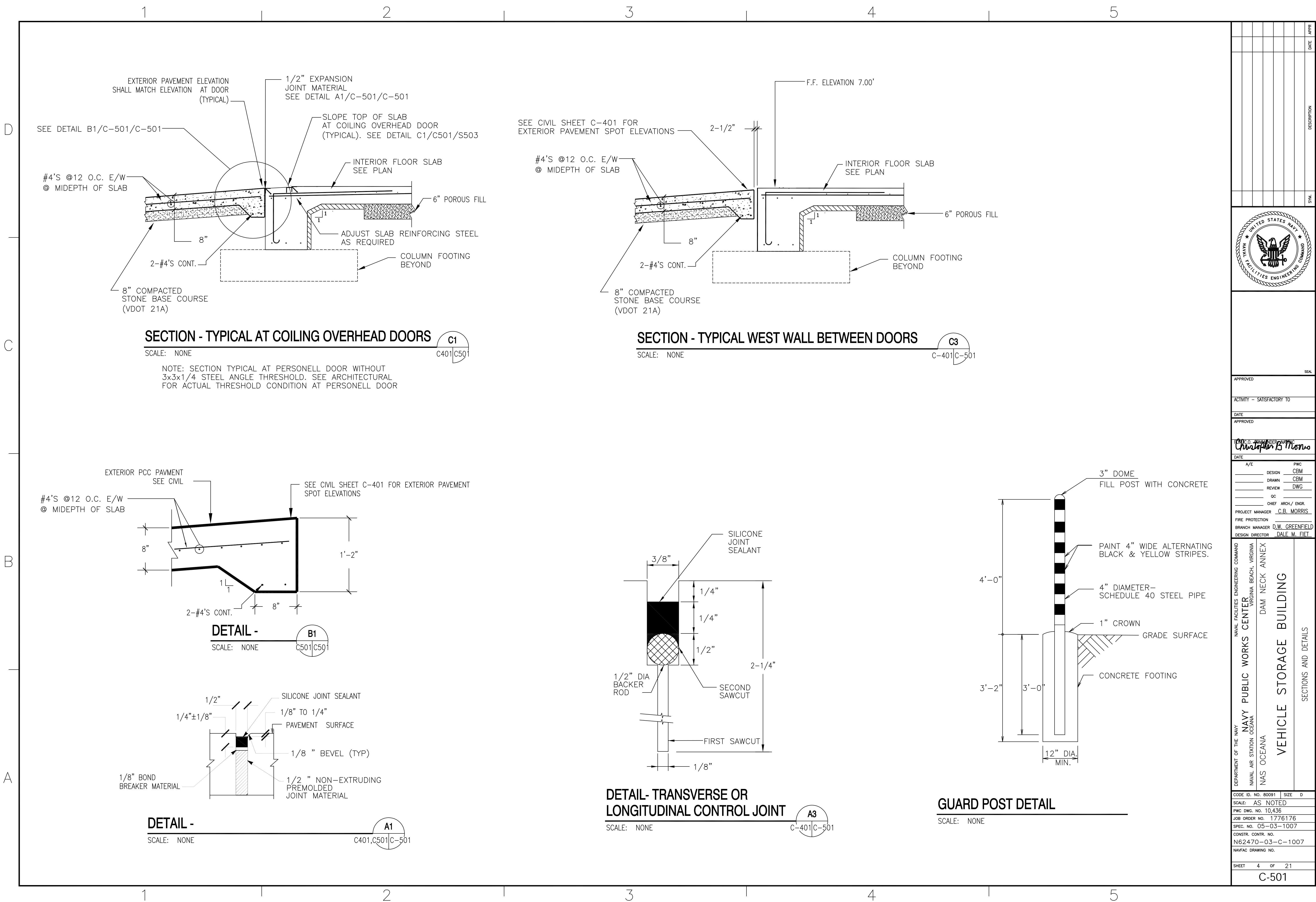
GRAPHIC SCALE



SITE PLAN

SCALE: 1"=25'

[illegible]



D

-

- C

- A

2

3

4

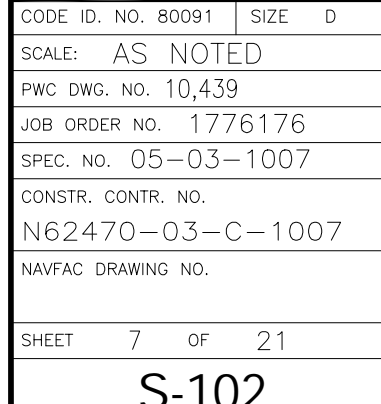
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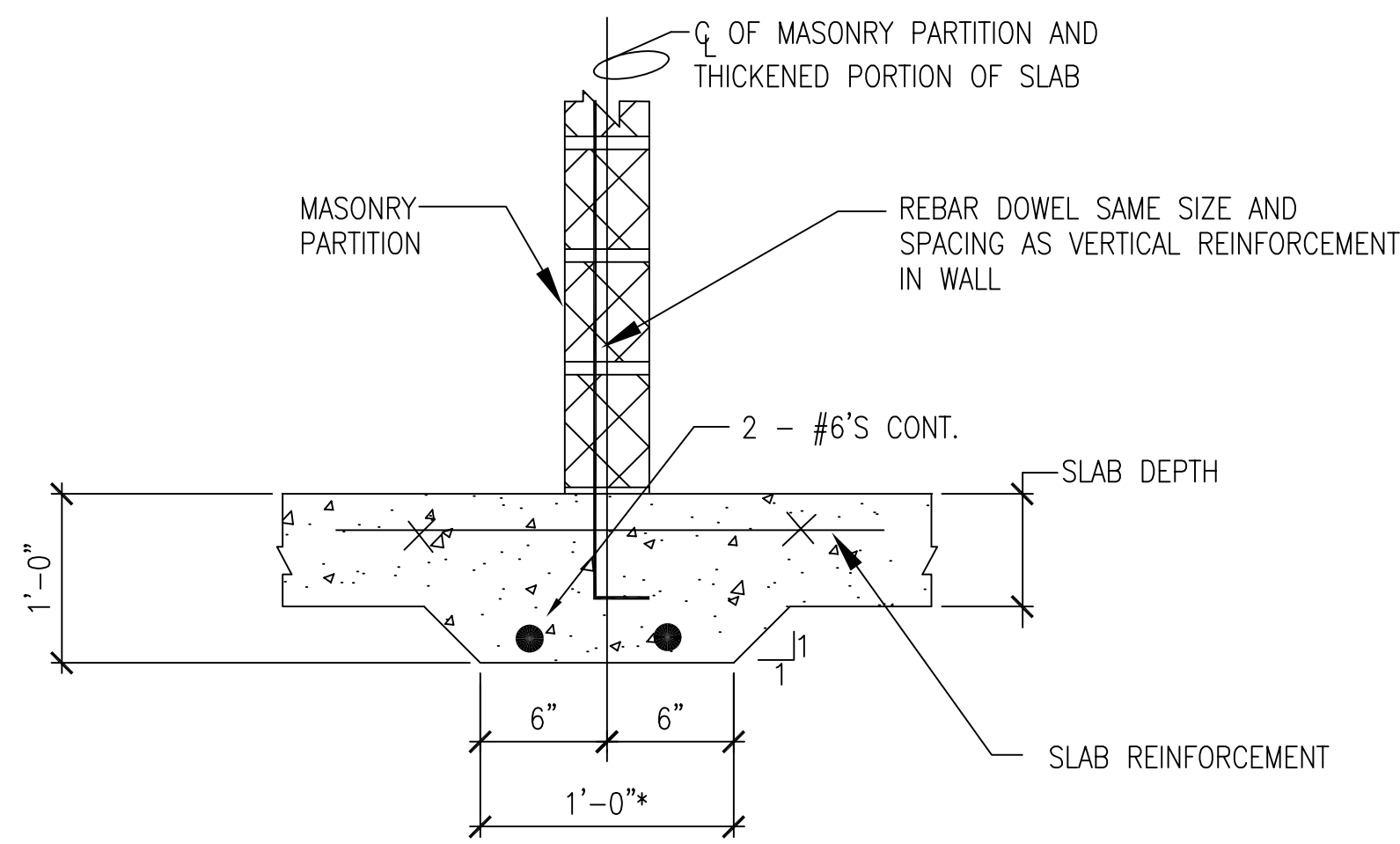
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C

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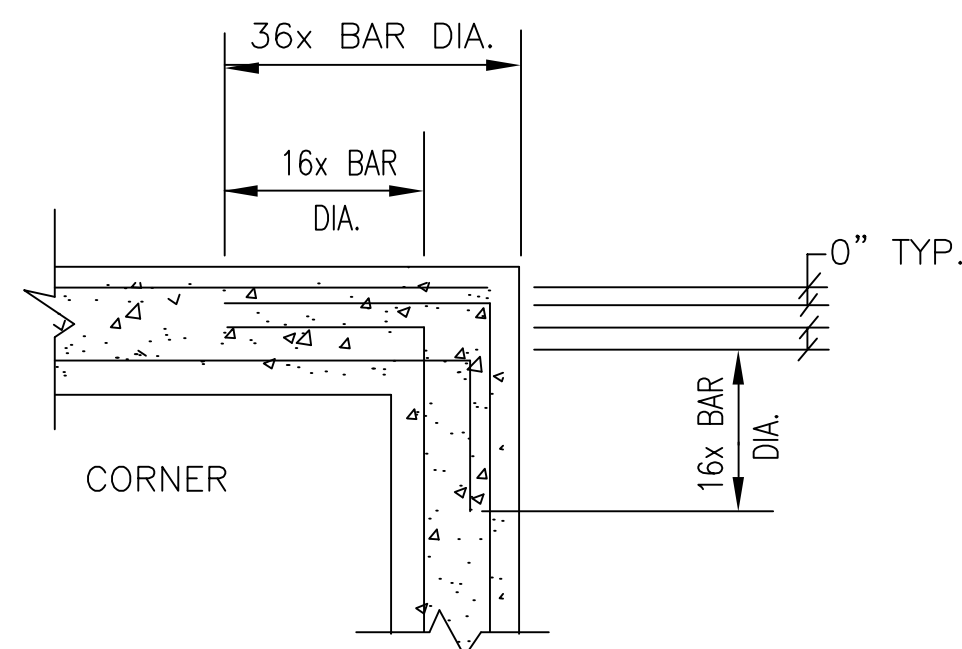


**DETAIL - THICKENED SLAB
BENEATH MASONRY PARTITIONS (TYPICAL)**

SCALE: NONE

S102, S501 S501

C1

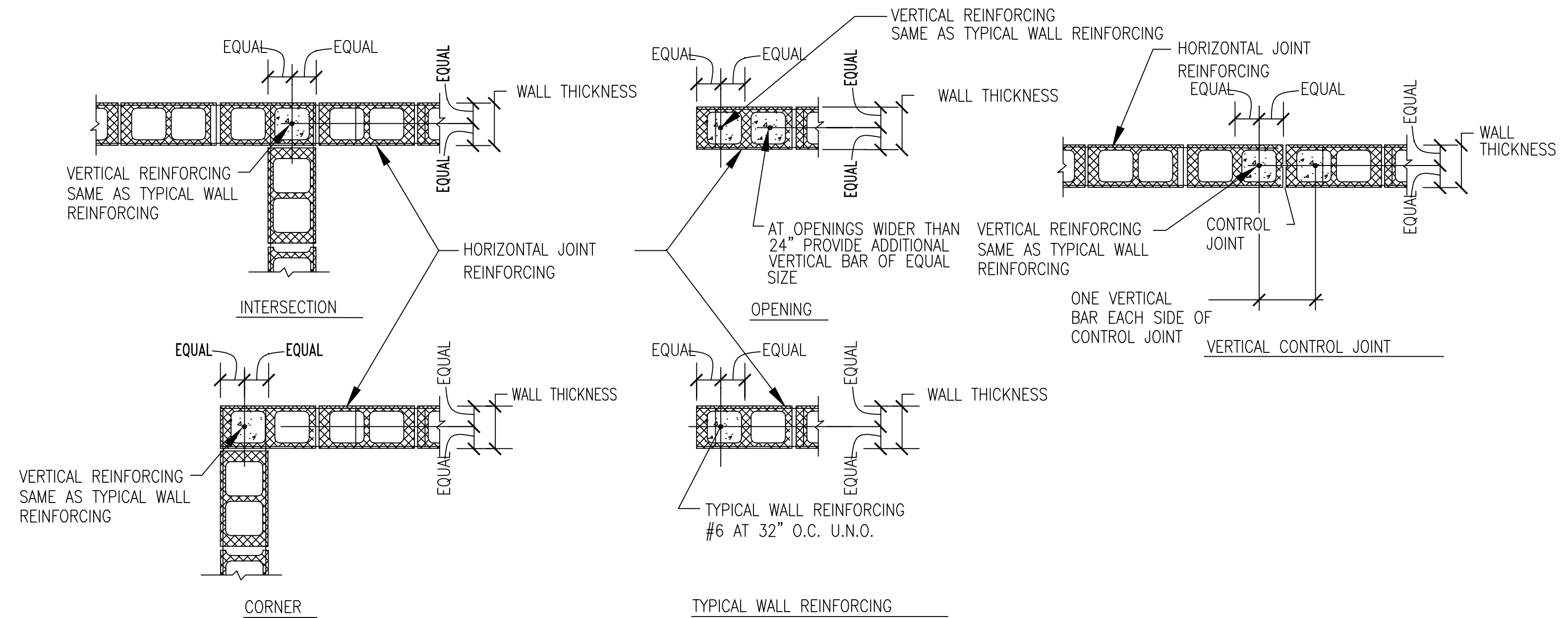


**TYPICAL DETAIL SHOWING CONTINUOUS REINFORCING
AT CORNERS FOR CAST IN PLACE CONCRETE**

NOT TO SCALE

NOTE: WHERE THREE BARS OCCUR, CENTER BAR SHALL BE
TREATED SAME AS INNER FACE BAR.

A1
S-501 S-501

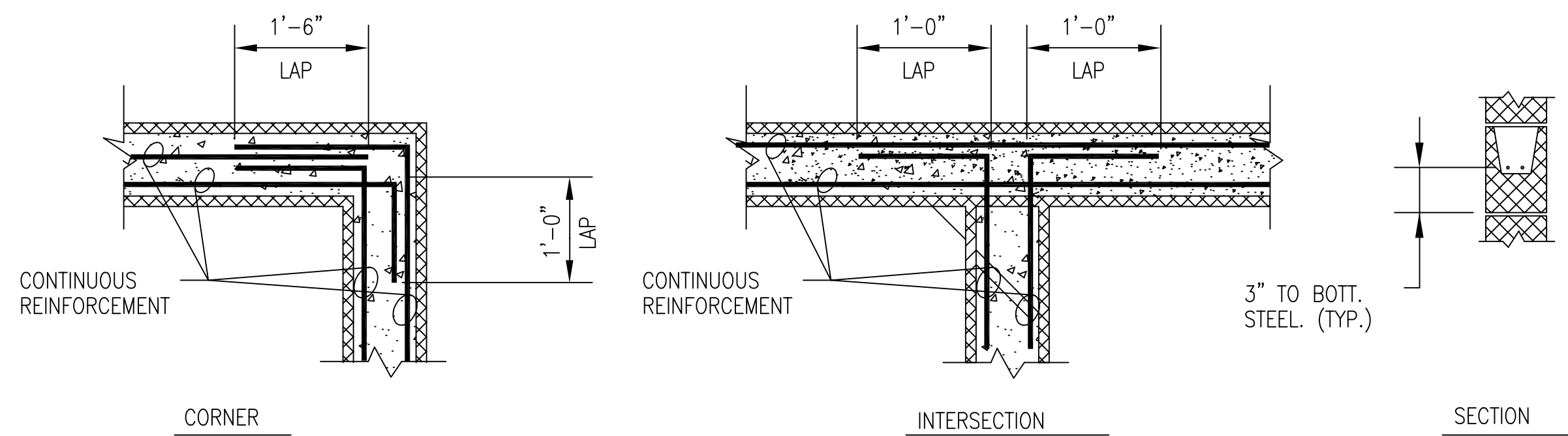


DETAIL TYPICAL MASONRY WALL VERTICAL REINFORCING

SCALE: NONE

S501 S501

C3

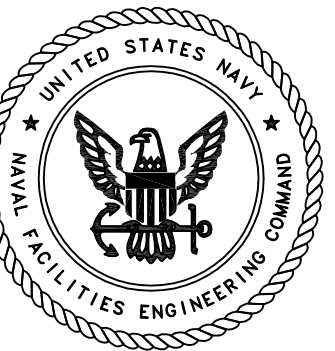


DETAIL - MASONRY BOND BEAM REINFORCING

SCALE: NONE

S501 S501

A3



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ACTIVITY - SATISFACTORY TO

DATE

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FOR C.O. COMMANDER, NAVFAC

A/E

DESIGN

DRAWN

REVIEW

CC

CHIEF

PROJECT MANAGER

FIRE PROTECTION

BRANCH MANAGER

DESIGN DIRECTOR

NAVAL FACILITIES ENGINEERING COMMAND

NAVY PUBLIC WORKS CENTER

NAVAL AIR STATION OCEANA

NAS OCEANA

DAM NECK ANNEX

VEHICLE STORAGE BUILDING

DETAILS

CODE ID. NO. 80091

SCALE: AS NOTED

PWC DWG. NO. 10,441

JOB ORDER NO. 1776176

SPEC. NO. 05-03-1007

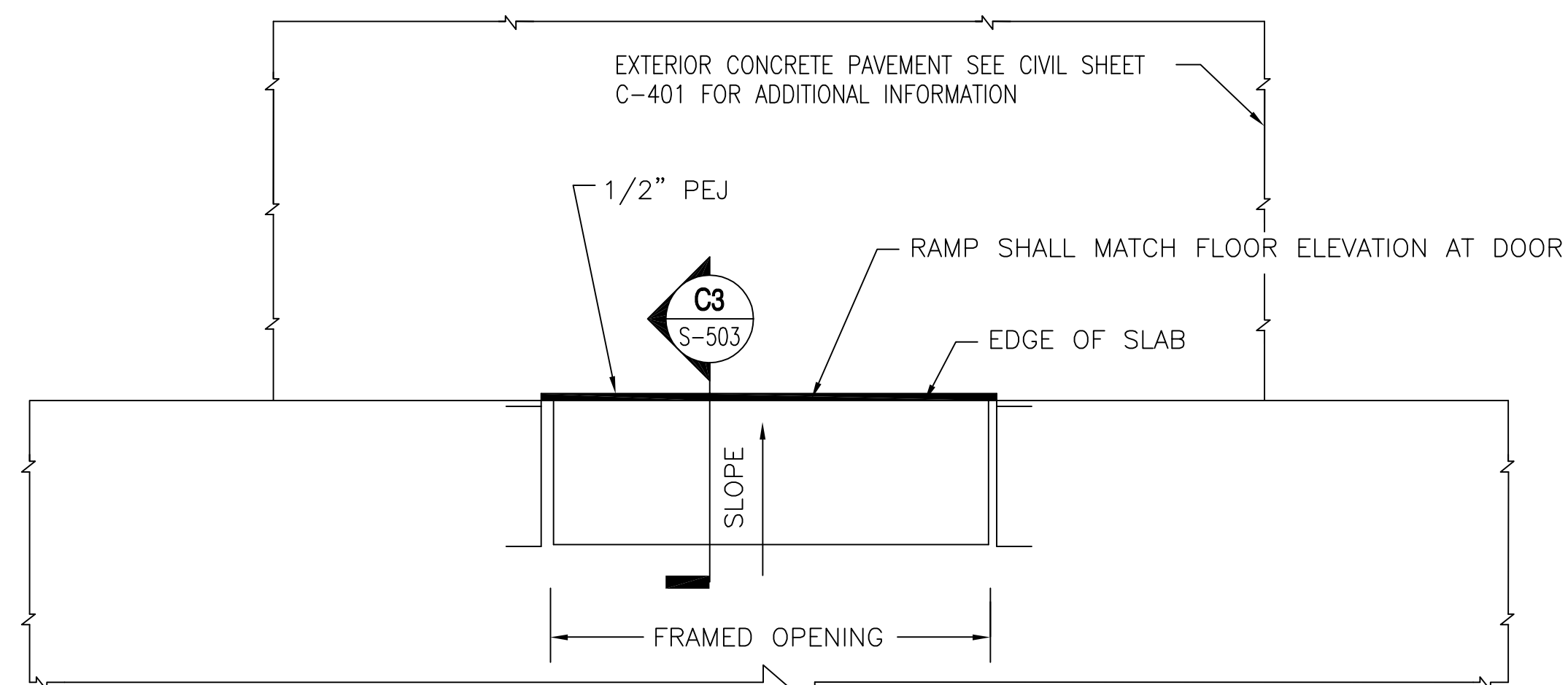
CONSTR. CONTR. NO.

N62470-03-C-1007

NAVFAC DRAWING NO.

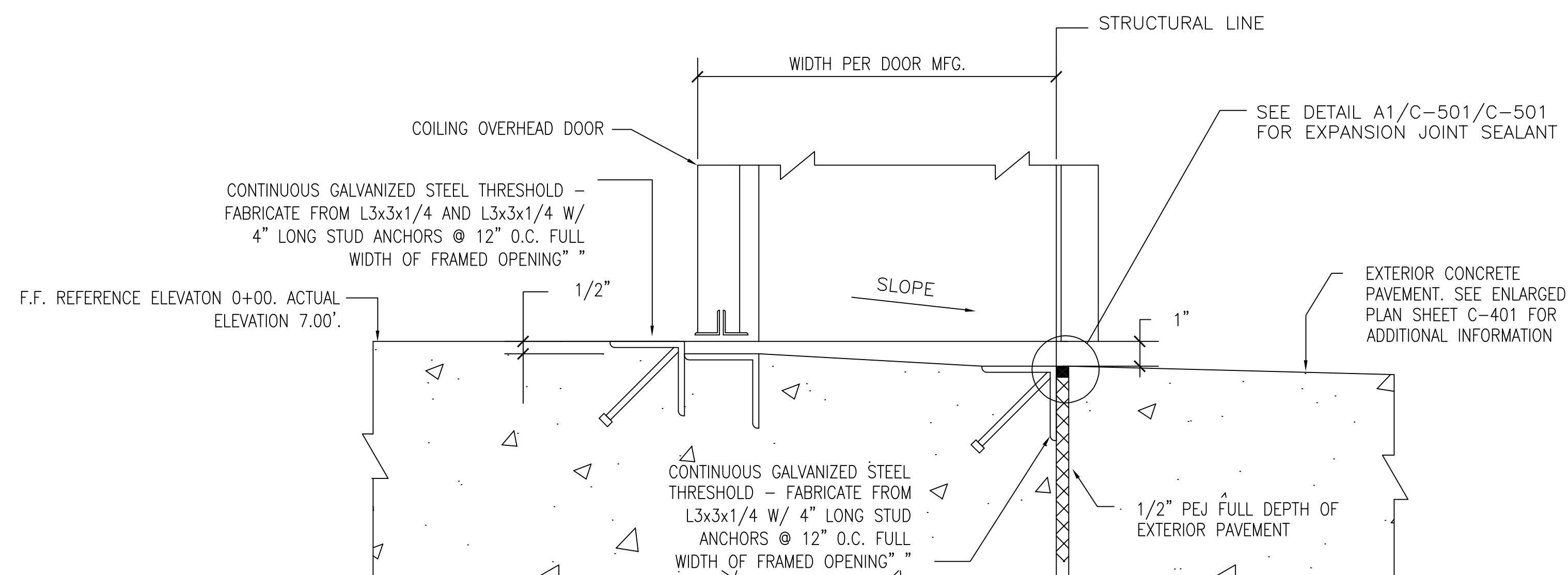
SHEET 9 OF 21

S-501



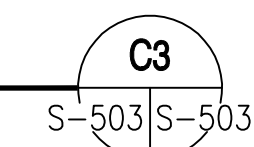
PLAN @ COILING OVERHEAD DOOR

SCALE: NONE



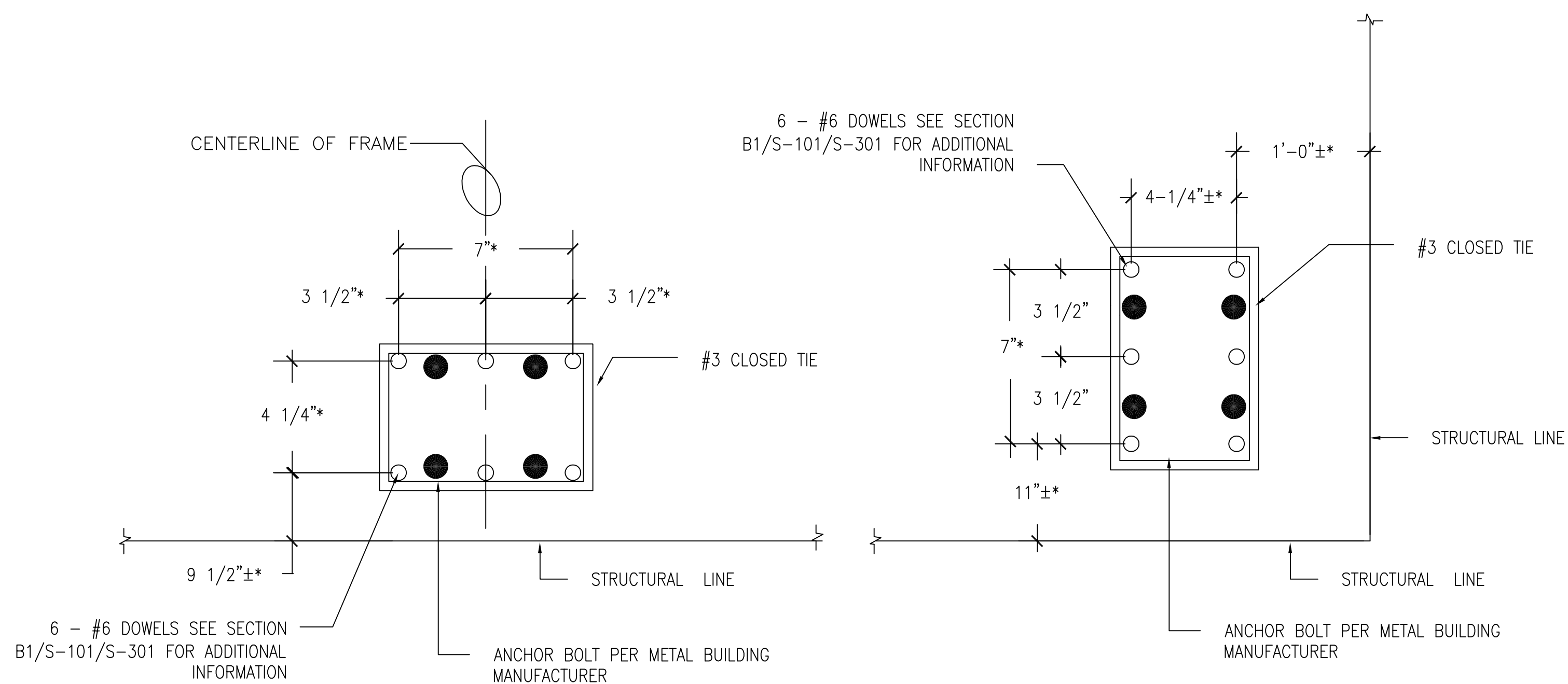
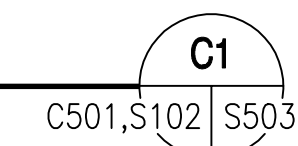
SECTION

SCALE: NONE



DETAIL - FLOOR SLAB AT COILING OVERHEAD DOOR

SCALE: NONE



PLAN - INTERIOR COLUMN

PLAN - CORNER COLUMN

DETAIL - DOWEL SPACING

DETAIL -
A1
S-301 S-503 SCALE: NONE

*NOTE: ADJUST EXACT LOCATION OF REINFORCING STEEL AS REQUIRED TO INSTALL ANCHOR BOLTS IN ACCORDANCE WITH BUILDING MANUFACTURER'S APPROVED SHOP DRAWINGS. MINIMUM CLEAR DISTANCE FOR REINFORCING STEEL AGAINST FORMED SURFACE SHALL BE 2".

[illegible]

APPROVED		SE
ACTIVITY - SATISFACTORY 10		
DATE		
APPROVED		
FOR C.O. COMMANDER, NAVAC		
<i>Christopher B Morris</i>		
DATE		
A/E		FWC
	DESIGN	DETAILS
	DRAWN	CBM
	REVIEW	DWG
	QC	
CHEF	ARCH./ ENGR.	
PROJECT MANAGER	C.B. MORRIS	
FIRE PROTECTION		
BRANCH MANAGER	D.W. GREENFIELD	
DESIGN DIRECTOR	DALE M. FIET	

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVY PUBLIC WORKS CENTER	VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA	
NAS OCEANA	DAM NECK ANNEX
VEHICLE STORAGE BUILDING	
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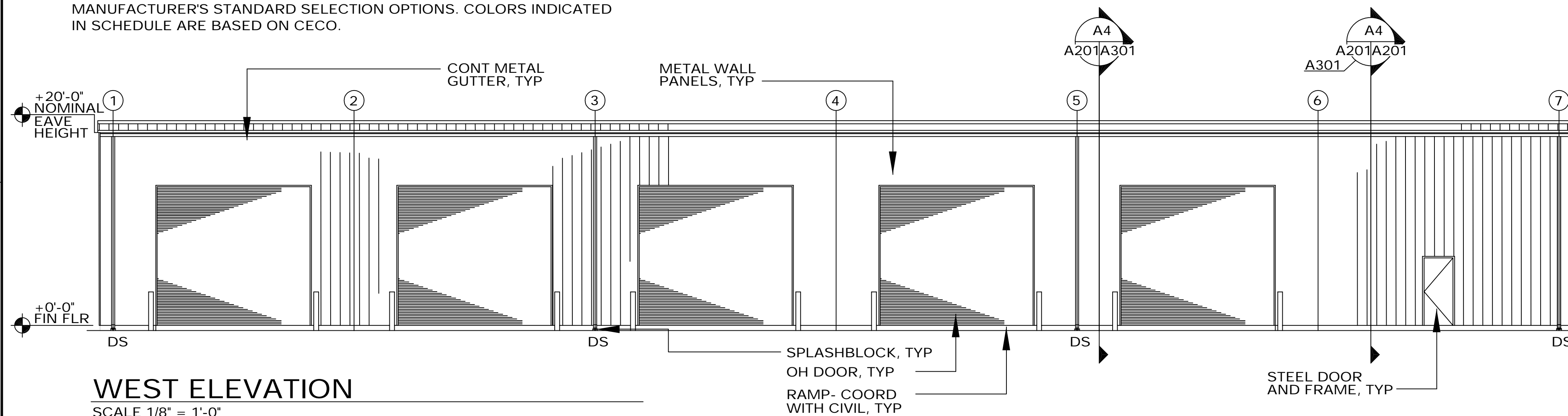
CODE ID. NO. 80091	SIZE D
SCALE: AS NOTED	
PWC DWG. NO. 10,443	
JOB ORDER NO. 1776176	
SPEC. NO. 05-03-1007	
CONSTR. CONTR. NO.	
N62470-03-C-1007	
NAVFAC DRAWING NO.	

SHEET 11 OF 21

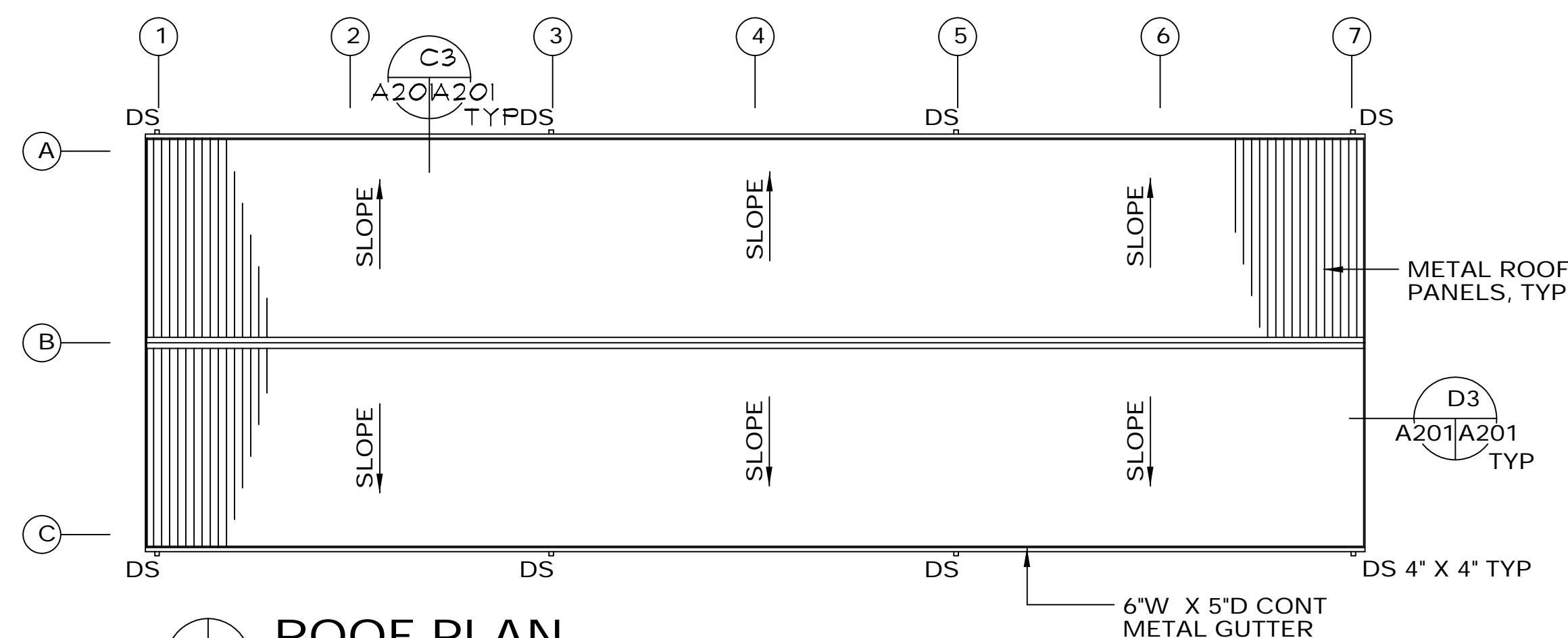
S-503

COLOR SCHEDULE	
ITEM	COLOR
WALL AND ROOF PANELS	ALMOND
GUTTERS, DOWNSPOUTS AND TRIM	MEDIUM BRONZE
INTERIOR LINER PANELS	ALMOND

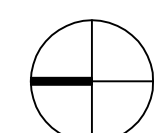
COLOR SCHEDULE NOTES:
1. PANEL PROFILES AND COLORS SHALL BE AS SELECTED FROM MANUFACTURER'S STANDARD SELECTION OPTIONS. COLORS INDICATED IN SCHEDULE ARE BASED ON CECO.



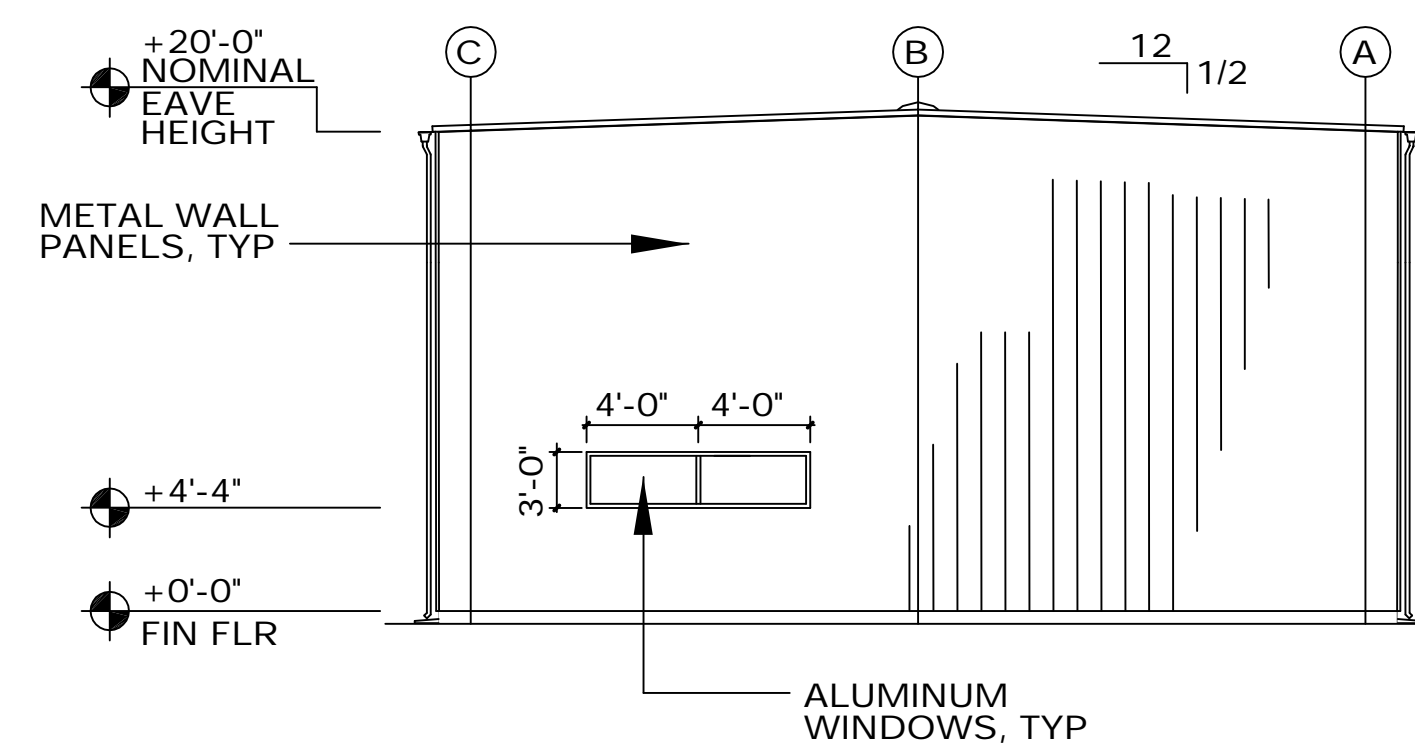
WEST ELEVATION
SCALE 1/8" = 1'-0"



ROOF PLAN

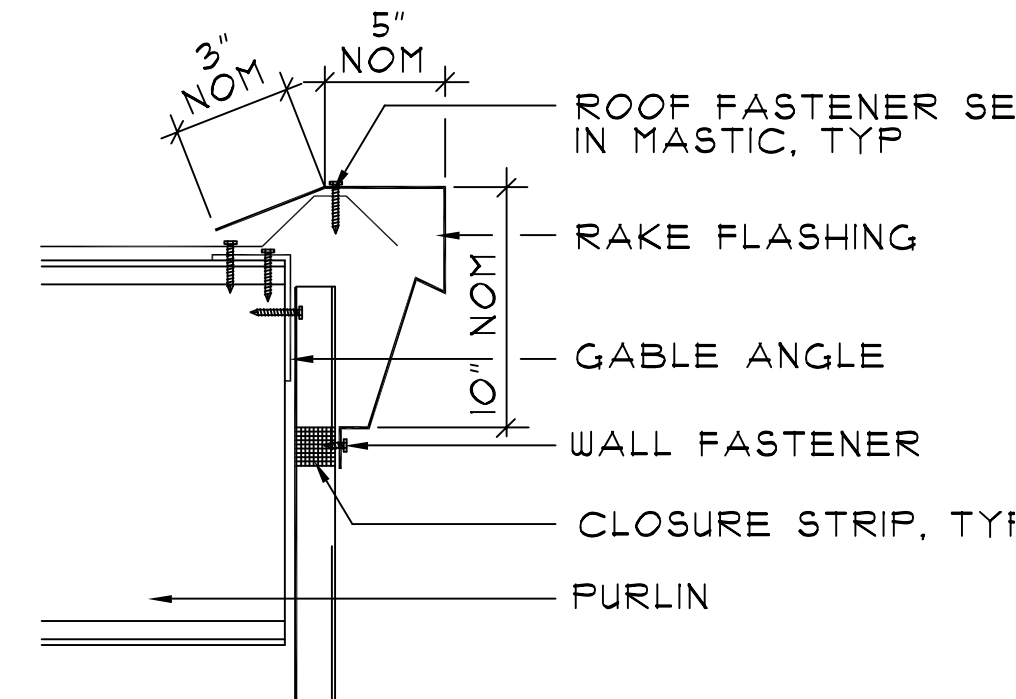


PROJECT
NORTH



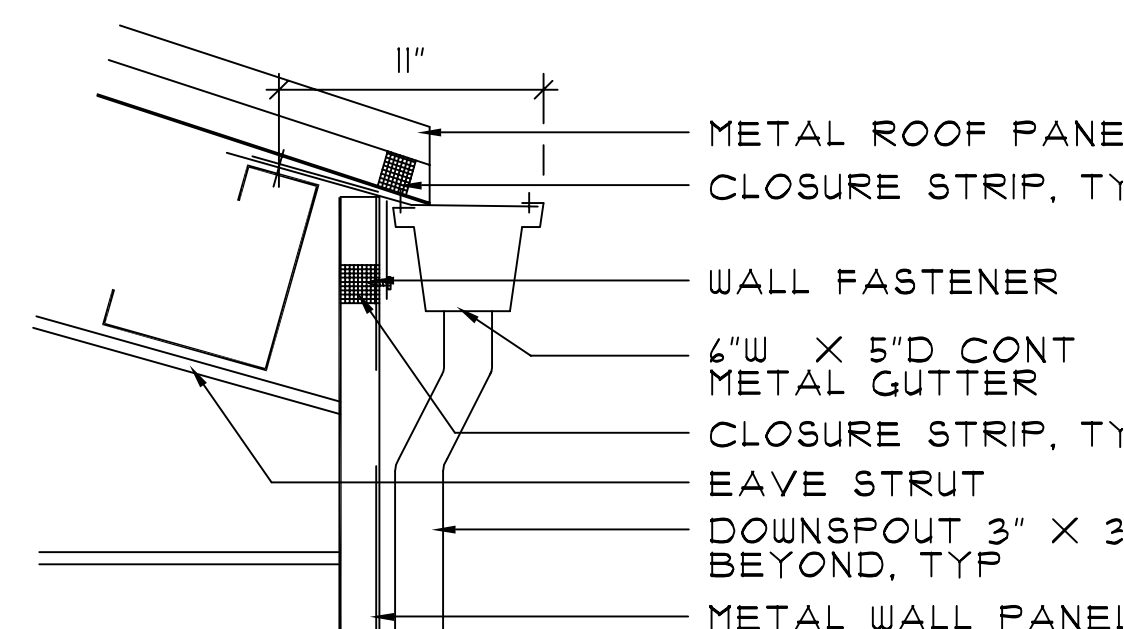
SOUTH ELEVATION

SCALE 1/8" = 1'-0"



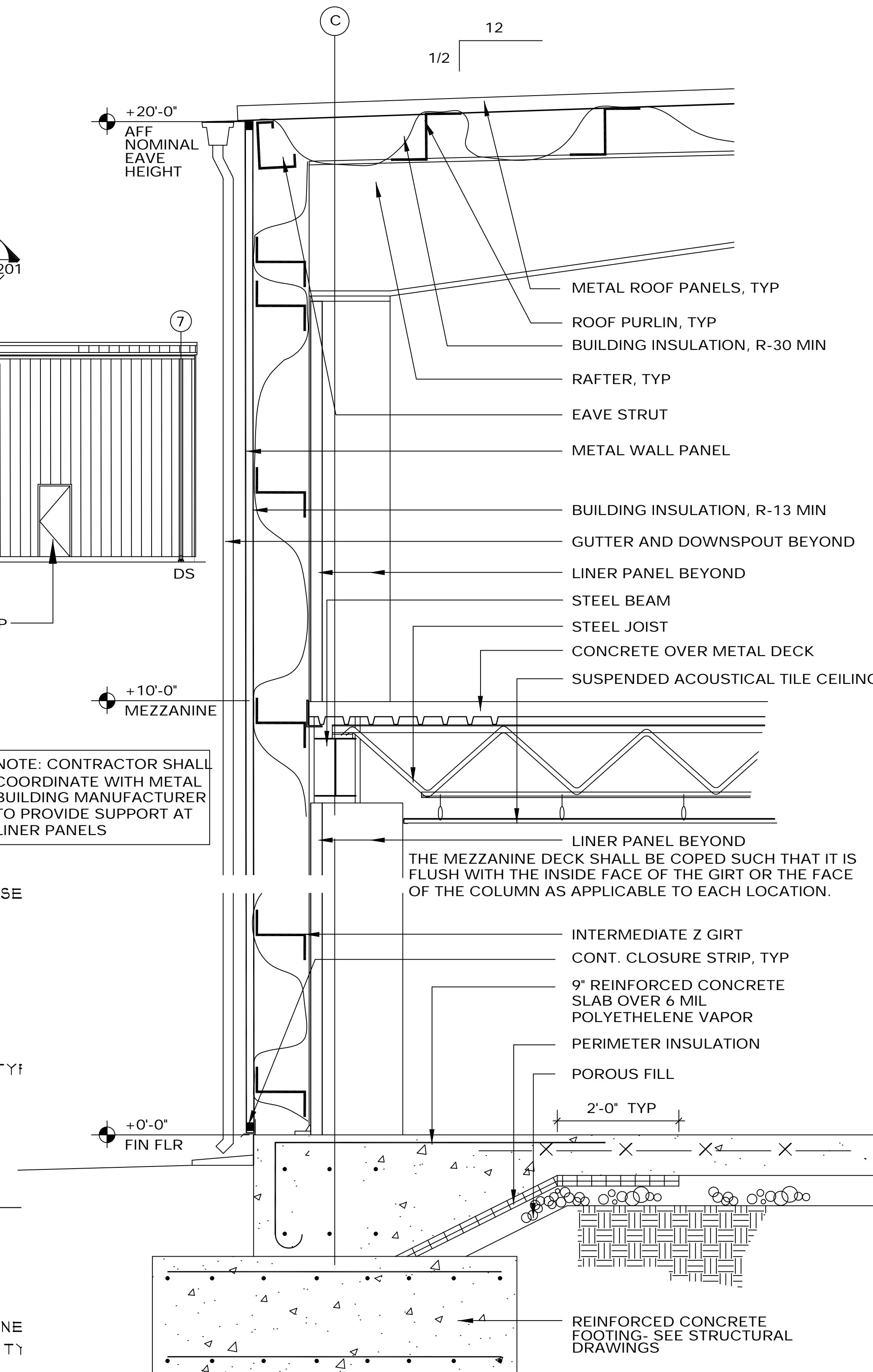
RAKE DETAIL

A20|A20| SCALE: 1 1/2" = 1'-0"



GUTTER DETAIL

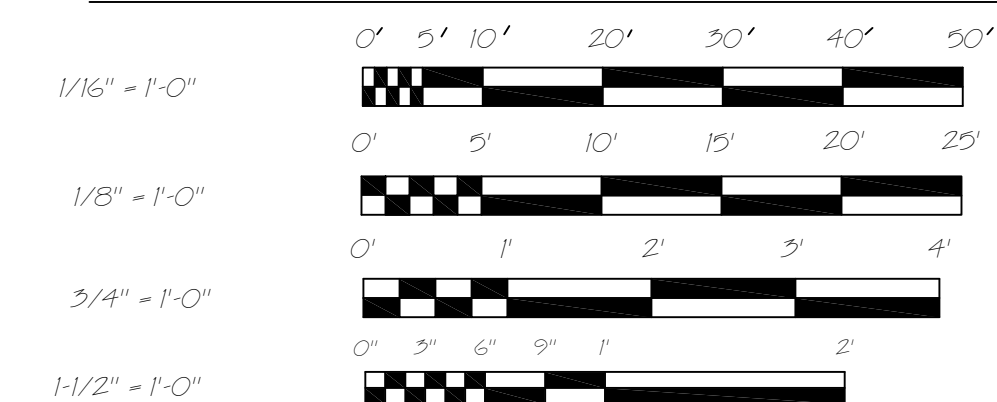
A20 | A20 | SCALE: 1 1/2" = 1'-0"

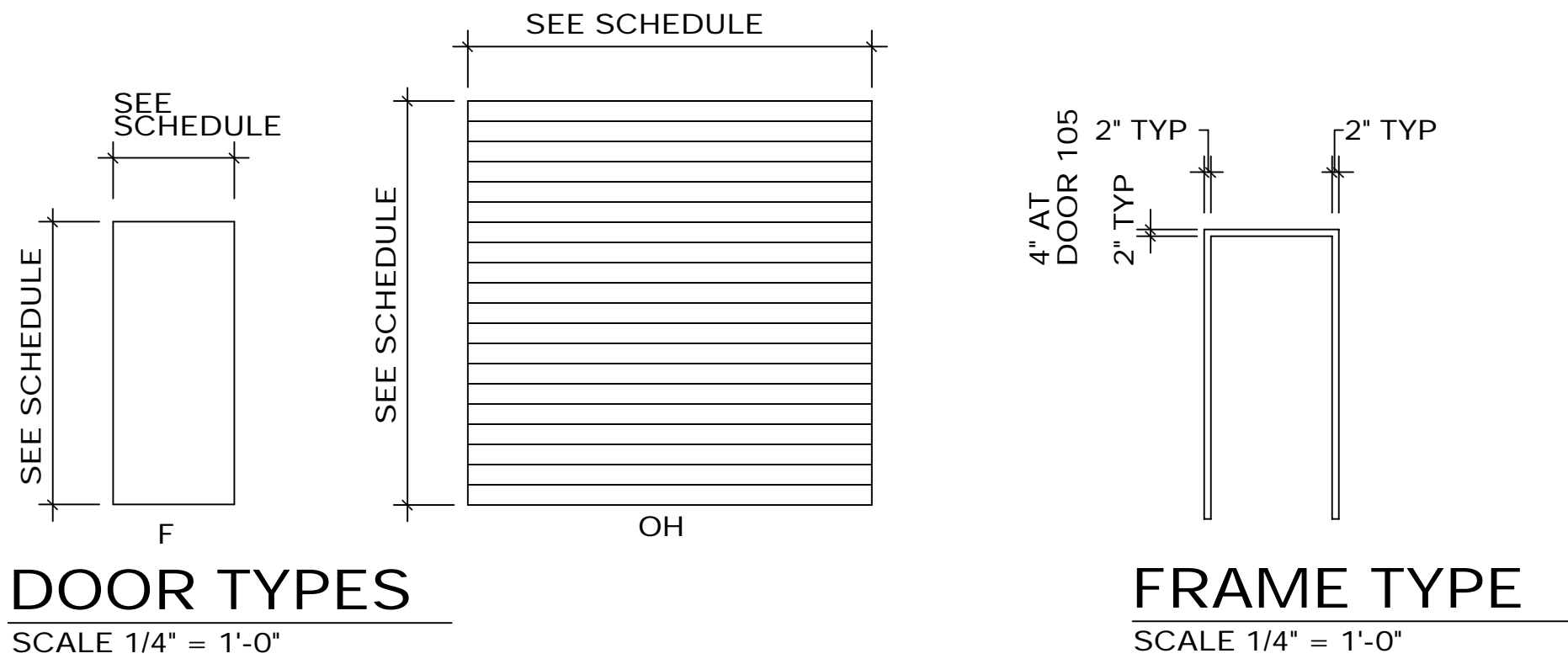
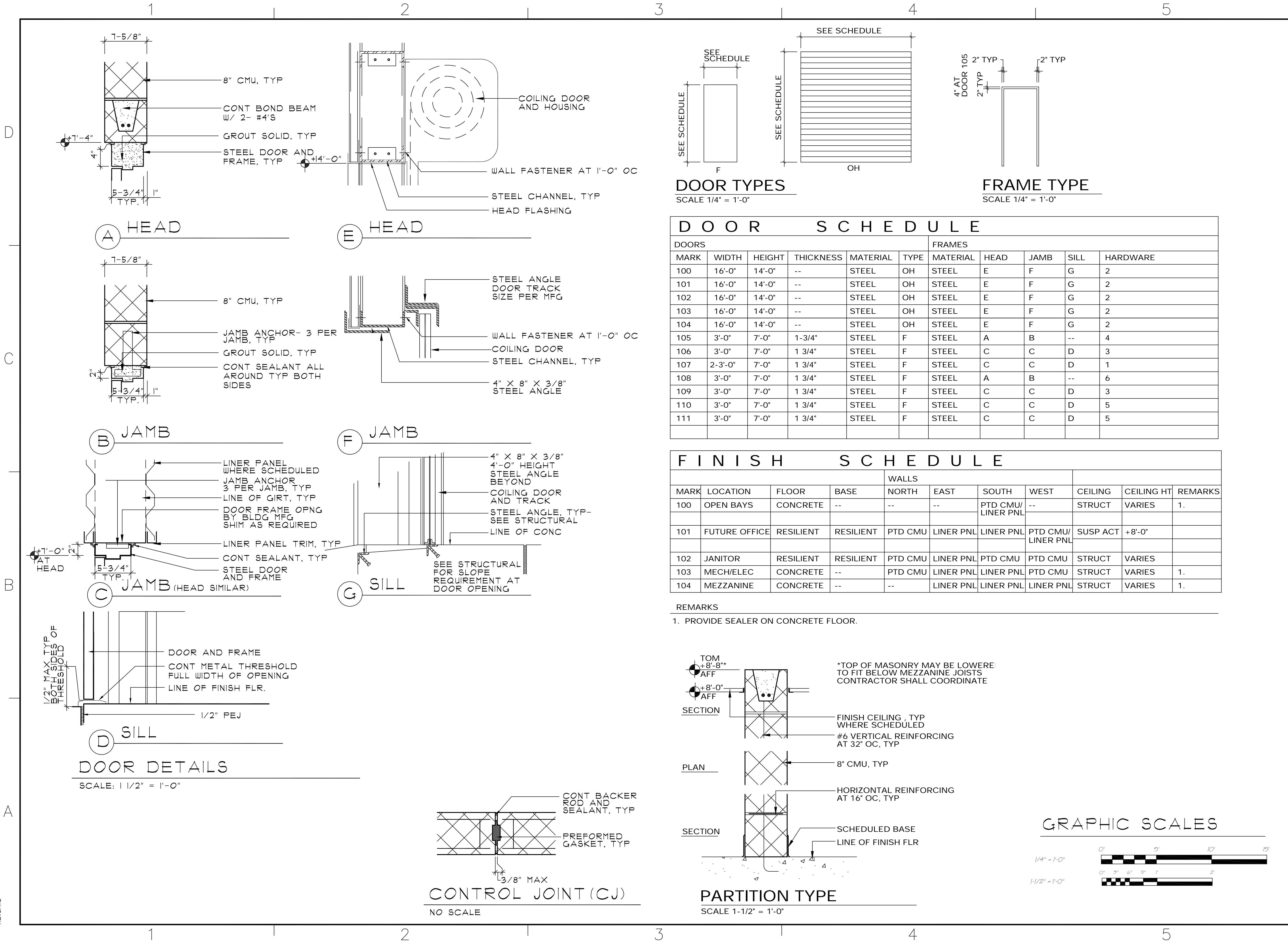


WALL SECTION

A201 A201 SCALE 3/4" = 1'-0"

GRAPHIC SCALES

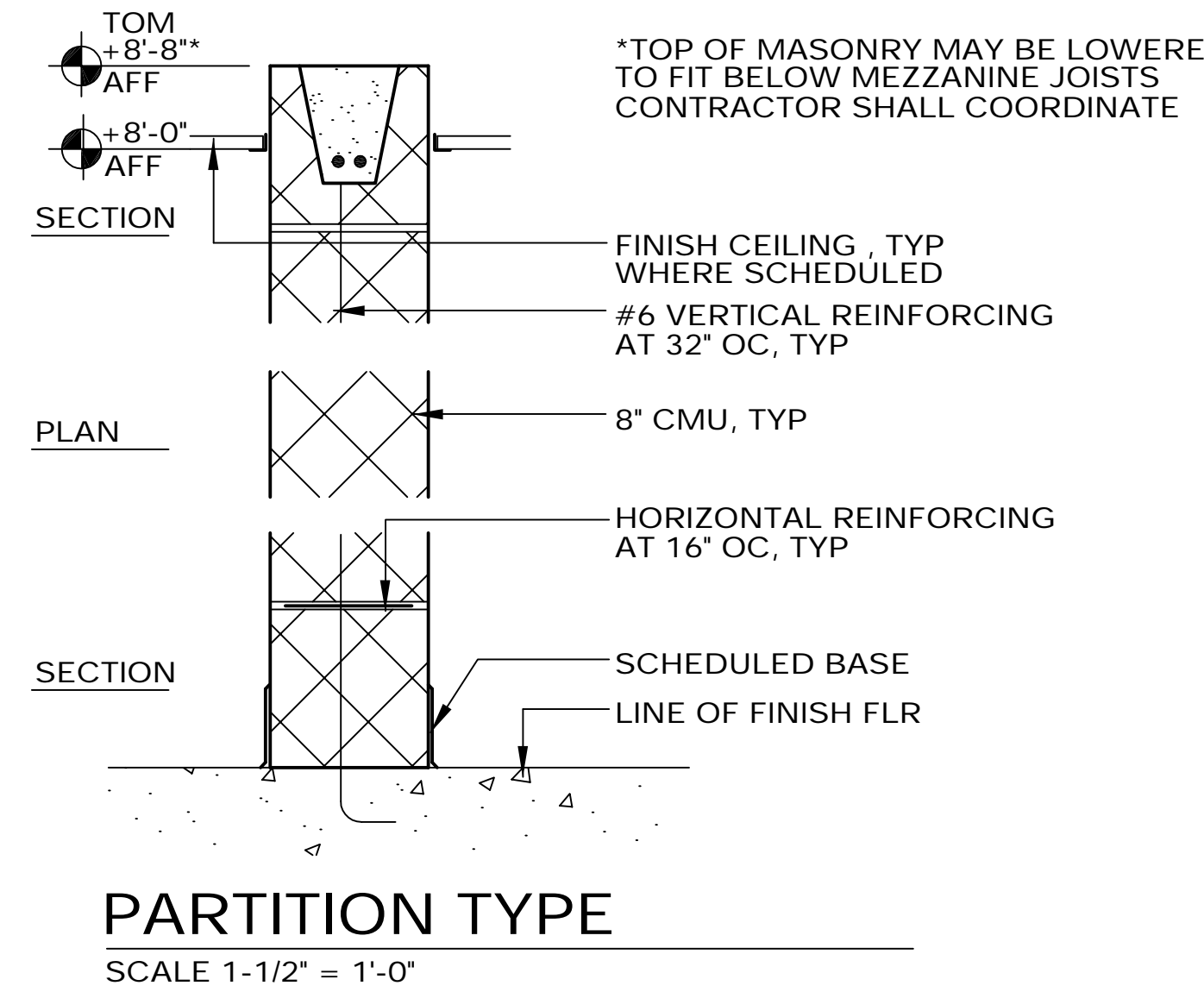
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DOOR SCHEDULE										
DOORS						FRAMES				
MARK	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	MATERIAL	HEAD	JAMB	SILL	HARDWARE
100	16'-0"	14'-0"	--	STEEL	OH	STEEL	E	F	G	2
101	16'-0"	14'-0"	--	STEEL	OH	STEEL	E	F	G	2
102	16'-0"	14'-0"	--	STEEL	OH	STEEL	E	F	G	2
103	16'-0"	14'-0"	--	STEEL	OH	STEEL	E	F	G	2
104	16'-0"	14'-0"	--	STEEL	OH	STEEL	E	F	G	2
105	3'-0"	7'-0"	1-3/4"	STEEL	F	STEEL	A	B	--	4
106	3'-0"	7'-0"	1 3/4"	STEEL	F	STEEL	C	C	D	3
107	2'-3'-0"	7'-0"	1 3/4"	STEEL	F	STEEL	C	C	D	1
108	3'-0"	7'-0"	1 3/4"	STEEL	F	STEEL	A	B	--	6
109	3'-0"	7'-0"	1 3/4"	STEEL	F	STEEL	C	C	D	3
110	3'-0"	7'-0"	1 3/4"	STEEL	F	STEEL	C	C	D	5
111	3'-0"	7'-0"	1 3/4"	STEEL	F	STEEL	C	C	D	5

FINISH SCHEDULE										
				WALLS						
MARK	LOCATION	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	CEILING HT	REMARKS
100	OPEN BAYS	CONCRETE	--	--	--	PTD CMU/LINER PNL	--	STRUCT	VARIES	1.
101	FUTURE OFFICE	RESILIENT	RESILIENT	PTD CMU	LINER PNL	LINER PNL	PTD CMU/LINER PNL	SUSP ACT	+8'-0"	
102	JANITOR	RESILIENT	RESILIENT	PTD CMU	LINER PNL	PTD CMU	PTD CMU	STRUCT	VARIES	
103	MECH/ELEC	CONCRETE	--	PTD CMU	LINER PNL	LINER PNL	PTD CMU	STRUCT	VARIES	1.
104	MEZZANINE	CONCRETE	--	--	LINER PNL	LINER PNL	LINER PNL	STRUCT	VARIES	1.

REMARKS
1. PROVIDE SEALER ON CONCRETE FLOOR.



DATE

APPROVED

SYN

DESCRIPTION

APPROVED

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FOR C.O. COMMANDER NAVFAC

Christopher B. Morris

DATE

A/E

PWC

DESIGN

DRAWN

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DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

NAVY PUBLIC WORKS CENTER

NAVAL AIR STATION OCEANA

VIRGINIA BEACH, VIRGINIA

NAS OCEANA

DAM NECK ANNEX

VEHICLE STORAGE BUILDING

SCHEDULES AND DOOR DETAILS

CODE ID. NO. 80091

SIZE D

SCALE: AS NOTED

PWC DWG. NO. 10447

JOB ORDER NO. 1776176

SPEC. NO. 05-03-1007

CONSTR. CONTR. NO.

N62470-03-C-1007

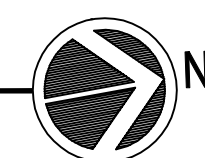
NAVFAC DRAWING NO.

SHEET 15 OF 21



A-601

MECHANICAL PLAN

SCALE: $1/8" = 1'-0"$

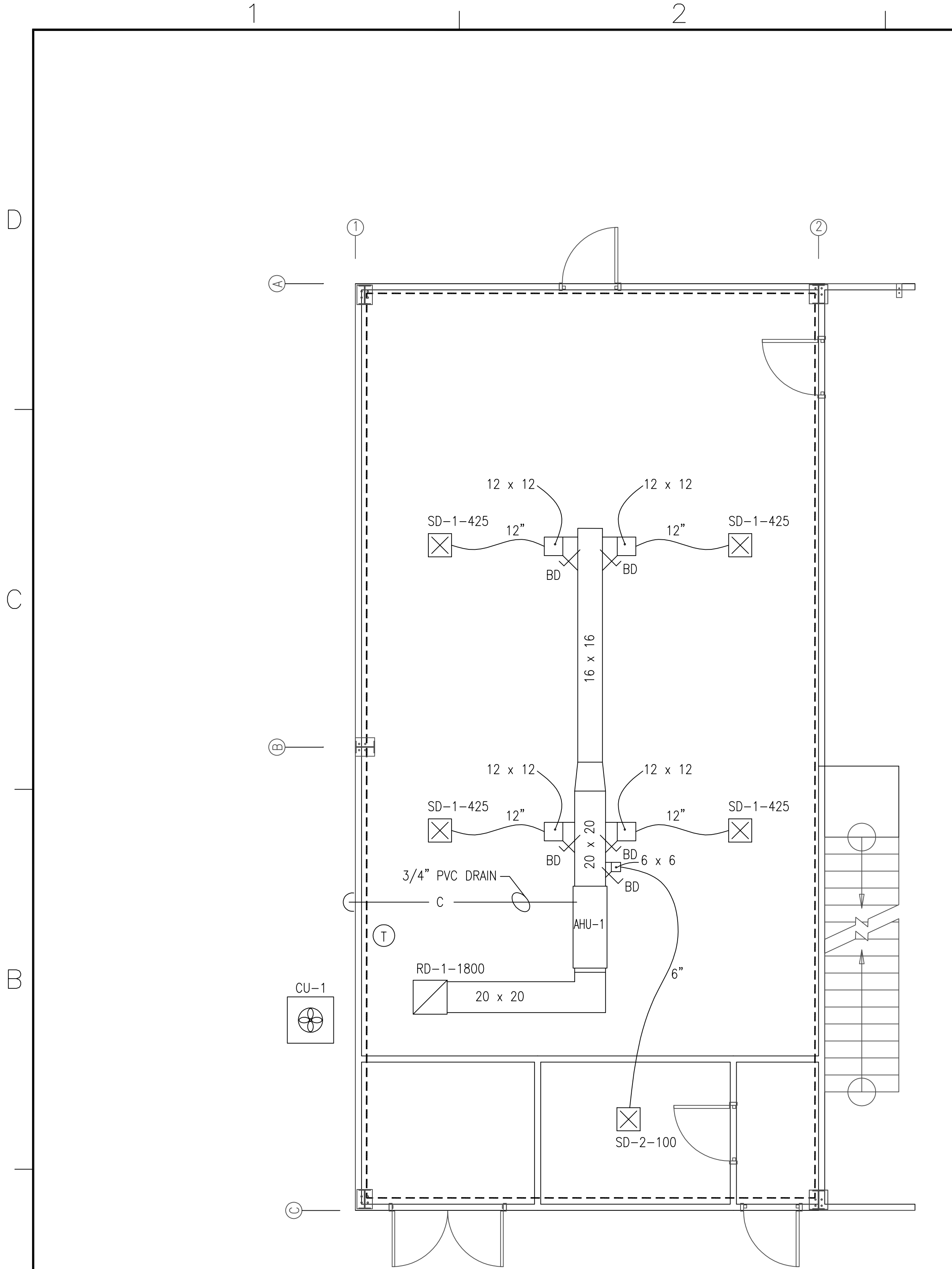


LEGEND

- | | |
|--|--|
|  | THERMOSTAT |
| AHU | AIR HANDLING UNIT |
| CU | CONDENSING UNIT |
| EF | EXHAUST FAN |
| SD | SUPPLY DIFFUSER |
| IL | INTAKE LOUVER |
| EL | EXHAUST LOUVER |
| SD-1-400 | DIFFUSER NUMBER (SEE SCHEDULE)
CFM - FOR DIFFUSER |
|  BD | AIR BALANCING DAMPER |

GRAPHIC SCALE

$$1/8'' = 1'-0''$$
[illegible]



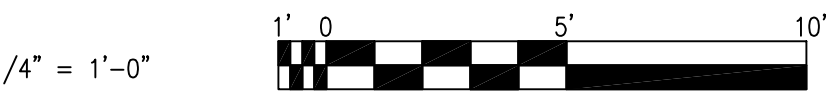
PARTIAL PLAN - 1ST FLOOR BETWEEN COLUMN LINES 1 AND 2

SCALE: 1/4"=1'-0"

LEGEND

- T THERMOSTAT
- AHU AIR HANDLING UNIT
- CU CONDENSING UNIT
- EF EXHAUST FAN
- SD SUPPLY DIFFUSER
- IL INTAKE LOUVER
- EL EXHAUST LOUVER
- SD-1-400 DIFFUSER NUMBER (SEE SCHEDULE)
CFM - FOR DIFFUSER
- BD AIR BALANCING DAMPER

GRAPHIC SCALE



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APPROVED		
FOR C.O. COMMANDER, NAVFAC		
<i>Christopher B. Morris</i>		
DATE		
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DESIGN	CBO	
DRAWN	CBO	
REVIEW	CBM	
OC		
CHIEF ARCH/ ENGR.		
PROJECT MANAGER	C.B. MORRIS	
FIRE PROTECTION		
BRANCH MANAGER	D.W. GREENFIELD	
DESIGN DIRECTOR	DALE M. FIET	
NAVAL FACILITIES ENGINEERING COMMAND	NAVAL PUBLIC WORKS CENTER	DAM NECK ANNEX
NAVAL AIR STATION OCEANA	VIRGINIA BEACH, VIRGINIA	
NAS OCEANA	VEHICLE STORAGE BUILDING	
	MECHANICAL PLAN	
CODE ID. NO. 80091	SIZE	D
SCALE:	AS NOTED	
PWC DWG. NO.	10,449	
JOB ORDER NO.	1776176	
SPEC. NO.	05-03-1007	
CONSTR. CONTR. NO.	N62470-03-C-1007	
NAVFAC DRAWING NO.		
SHEET	17	OF 21
M-102		

- DIFFUSER SCHEDULE -						
GRILL NUMBER	TYPE	NECK SIZE	STYLE	THROW	EQUAL TO:	AIRFLOW RANGE (CFM)
SD-1	15"x15" T-BAR LAY IN - SUPPLY	12" ROUND	4-WAY, W/OBD	8'	KRUEGER - #1124 - FRAME 24	425
SD-2	6"x6" T-BAR LAY IN - SUPPLY	6" ROUND	4-WAY, W/OBD	8'	KRUEGER - #1124 - FRAME 24	100
RD-1	22"x22" T-BAR LAY IN - RETURN	24"x24" - TRANSITION REQUIRED		--	KRUEGER - #1196 - FRAME 24	1,800
IL-1	48"x48" INTAKE CONTROL DAMPER		MOTORIZED	--	RUSKIN	15,000
EL-1	48"x48" EXHAUST CONTROL DAMPER		MOTORIZED	--	RUSKIN	15,000

NEW CONTROL & BACKDRAFT DAMPER VELOCITIES SHALL NOT EXCEED 1,500 FPM OR MANUFACTURER'S RATINGS.

<h1>HEAT PUMP AIR HANDLER</h1>		
F A N	SYMBOL	AHU-1
	CFM	1,800
	STATIC PRESSURE	0.30"
	VOLTAGE/PHASE	230/1
	HORSEPOWER	3/4
	TYPE	CENTRIF.
	DRIVE	DIRECT
	FILTER	INTERNAL
HORIZONTAL UNIT		
S U P P L Y	DX COOLING	
	TOTAL BTUH	40,000
	SENSIBLE BTUH	36,000
	REFRIGERANT	R-22
O F F	DX HEATING	
	TOTAL BTUH	36,000
	ELEC SUPP HEAT 230-1P	10KW
ENTERING AIR SUMMER/WINTER		
DRY BULB °F		76/70
WET BULB °F		67/-
EQUAL TO: CARRIER MODEL # : F4AN-048 APPROX. DIMENSIONS: 53"L x 22"W x 22"H		

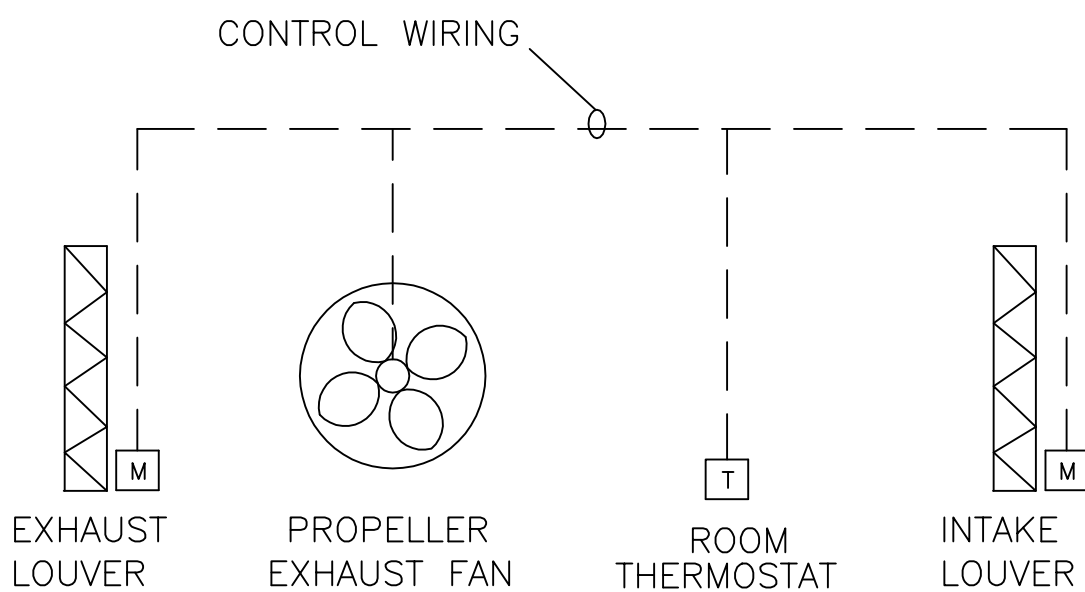
HEAT PUMP CONDENSING UNIT	
SYMBOL	CU-1
TOTAL BTUH	40,000
REFRIGERANT	R-22
VOLTAGE/PHASE	230/1
AMBIENT TEMPERATURE	95 F
EQUAL TO: CARRIER MODEL # 38-AYC-048 APPROX. DIMENSIONS: 30"L x 30"W x 33"H	

- ELECTRIC UNIT HEATER -				
SYMBOL	HEATING CAPACITY KW	VOLTAGE / PHASE	TYPE	FAN TYPE
UH-1	10	240/1	FORCED AIR	PROPELLER
UH-2	3	240/1	FORCED AIR	PROPELLER

- SIDEWALL PROPELLER EXHAUST FAN -							
SYMBOL	EXHAUST CFM	STATIC PRESSURE	HP	VOLTAGE / PHASE	DRIVE TYPE	FAN TYPE	EQUAL TO:
EF-1	15,000	0.250"	1-1/2	120/1	BELT	PROPELLER	GREENHECK - MODEL # SPBE

NEW SIDEWALL BELT DRIVEN PROPELLER EXHAUST FAN SHALL BE LOCATED WHERE SHOWN. PROVIDE MOTOR GUARD AROUND FAN AND DAMPER WITH WALL MOUNT HOUSING. EXHAUST FAN SHALL OPERATE AUTOMATICALLY FROM WALL MOUNTED THERMOSTAT.

INTERLOCK FAN OPERATION WITH MOTORIZED INTAKE (IL-1) & EXHAUST (EL-1). DAMPERS SHALL OPEN WHEN FAN IS ON, CLOSE WHEN FAN IS OFF.

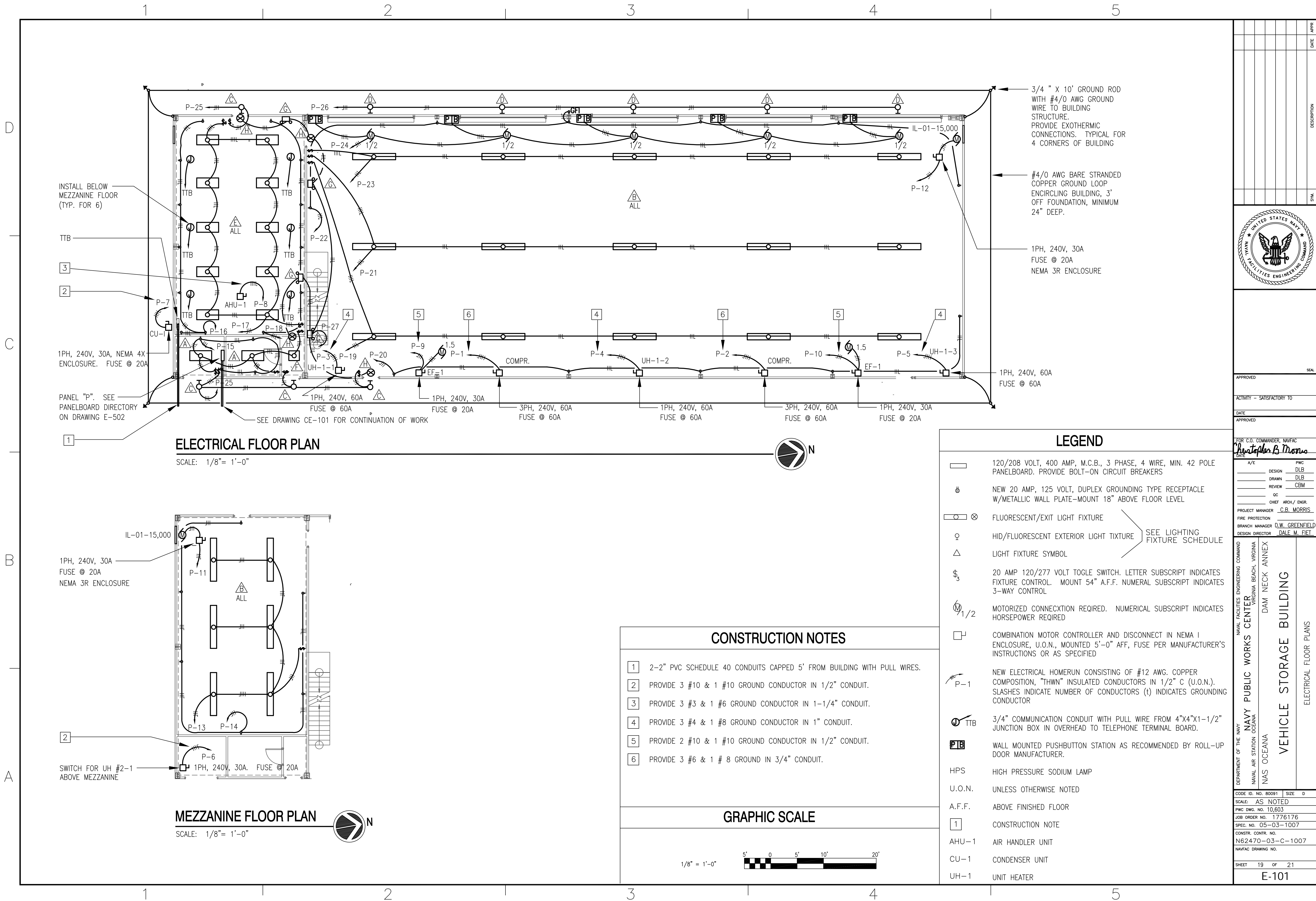


NOT TO SCALE

NOTES

- 1- ALL EQUIPMENT SHALL BE INSTALLED WHERE SHOWN UNLESS OTHERWISE STATED. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL EQUIPMENT SHALL BE READY TO OPERATE AS OUTLINED.
- 2- NEW HEAT PUMP SPLIT SYSTEM SHALL BE INSTALLED WHERE SHOWN. LOCATE NEW AIR COOLED CONDENSING UNITS ON CONCRETE EQUIPMENT PADS WHERE SHOWN. NEW AIR HANDLER SHALL HAVE DISPOSABLE INTERNAL FILTERS. RUN NEW PVC CONDENSATE DRAIN PIPING TO GROUND OUTSIDE. CONCEAL PIPING INSIDE WALL. PROVIDE P-TRAP IN DRAIN LINE. PIPE SIZE AS RECOMMENDED BY THE MANUFACTURER. CONCEAL REFRIGERANT PIPING INSIDE WALL FROM AIR HANDLER TO OUTDOOR CONDENSING UNIT. INSULATE ALL REFRIGERANT PIPING. DO NOT EXCEED REFRIGERANT PIPING LENGTHS OR INSTALL SMALLER PIPING THAN RECOMMENDED BY THE MANUFACTURER. PROVIDE NEW PROGRAMMABLE THERMOSTAT FOR HEAT PUMP USE. PROVIDE TIME GUARD CONTROLS ON UNIT TO PREVENT RESTARTING THE COMPRESSOR BEFORE 5 MINS AFTER SHUTDOWN. UNIT SHALL HAVE INTERNAL DISPOSABLE FILTERS.
- 3- ALL NEW DUCTWORK SHALL BE INSTALLED AS RECOMMENDED BY SMACNA. GALVANIZED STEEL DUCTWORK SHALL BE USED FOR ALL RIGID DUCT. EXPOSED DUCTWORK FOR FURNACE DOES NOT REQUIRE INSULATION. DUCTWORK SHALL RUN CLOSE TO CEILING BELOW ROOF BEAMS.
- 4- AFTER HVAC SYSTEM INSTALLATION, BALANCE THE SYSTEM STARTING WITH BRANCHES LOCATED NEAR THE AHU AND WORK TOWARD THE LAST BRANCH AND DIFFUSER. OPEN ALL DAMPERS FULLY BEFORE THE FIRST ADJUSTMENT. CHECK ALL MEASUREMENTS AGAIN AND RE-BALANCE SYSTEM UNTIL AIR-FLOWS ARE WITHIN AN ACCEPTABLE RANGE.
- 5- ALL HVAC EQUIPMENT SHALL BE LOCATED TO ALLOW MINIMUM CLEARANCE ON ALL SIDES FOR ACCESS AND PROPER AIR FLOW WHERE REQUIRED AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. IF PROPER CLEARANCE CANNOT BE MAINTAINED, CONTACT THE CONTRACTING OFFICER BEFORE INSTALLING EQUIPMENT.
- 6- THERMOSTATS SHALL BE LOCATED IN THE ROOMS INDICATED. INSTALL AT LEAST 1'-0" FROM DOOR FRAMES OR CORNERS OF WALLS, AND AT 48" ABOVE FINISHED FLOOR.

[illegible]



ELECTRICAL FLOOR PLAN

SCALE: 1/8"= 1'-0"

MEZZANINE FLOOR PLAN

SCALE: 1/8"= 1'-0"

LEGEND

- 120/208 VOLT, 400 AMP, M.C.B., 3 PHASE, 4 WIRE, MIN. 42 POLE PANELBOARD. PROVIDE BOLT-ON CIRCUIT BREAKERS
- NEW 20 AMP, 125 VOLT, DUPLEX GROUNDING TYPE RECEPTACLE W/METALLIC WALL PLATE-MOUNT 18" ABOVE FLOOR LEVEL
- FLUORESCENT/EXIT LIGHT FIXTURE
- HID/FLUORESCENT EXTERIOR LIGHT TITXURE SEE LIGHTING FIXTURE SCHEDULE
- LIGHT FIXTURE SYMBOL
- 20 AMP 120/277 VOLT TOGGLE SWITCH. LETTER SUBSCRIPT INDICATES FIXTURE CONTROL. MOUNT 54" A.F.F. NUMERAL SUBSCRIPT INDICATES 3-WAY CONTROL
- MOTORIZED CONNEXCTION REQUIRED. NUMERICAL SUBSCRIPT INDICATES HORSEPOWER REQUIRED
- COMBINATION MOTOR CONTROLLER AND DISCONNECT IN NEMA I ENCLOSURE, U.O.N., MOUNTED 5'-0" AFF, FUSE PER MANUFACTURER'S INSTRUCTIONS OR AS SPECIFIED
- NEW ELECTRICAL HOMERUN CONSISTING OF #12 AWG. COPPER COMPOSITION, "THWN" INSULATED CONDUCTORS IN 1/2" C (U.O.N.). SLASHES INDICATE NUMBER OF CONDUCTORS (t) INDICATES GROUNDING CONDUCTOR
- 3/4" COMMUNICATION CONDUIT WITH PULL WIRE FROM 4"x4"x1-1/2" JUNCTION BOX IN OVERHEAD TO TELEPHONE TERMINAL BOARD.
- WALL MOUNTED PUSHBUTTON STATION AS RECOMMENDED BY ROLL-UP DOOR MANUFACTURER.
- HPS HIGH PRESSURE SODIUM LAMP
- U.O.N. UNLESS OTHERWISE NOTED
- A.F.F. ABOVE FINISHED FLOOR
- CONSTRUCTION NOTE
- AHU-1 AIR HANDLER UNIT
- CU-1 CONDENSER UNIT
- UH-1 UNIT HEATER

CONSTRUCTION NOTES

- 2-2" PVC SCHEDULE 40 CONDUITS CAPPED 5' FROM BUILDING WITH PULL WIRES.
- PROVIDE 3 #10 & 1 #10 GROUND CONDUCTOR IN 1/2" CONDUIT.
- PROVIDE 3 #3 & 1 #6 GROUND CONDUCTOR IN 1-1/4" CONDUIT.
- PROVIDE 3 #4 & 1 #8 GROUND CONDUCTOR IN 1" CONDUIT.
- PROVIDE 2 #10 & 1 #10 GROUND CONDUCTOR IN 1/2" CONDUIT.
- PROVIDE 3 #6 & 1 # 8 GROUND IN 3/4" CONDUIT.

GRAPHIC SCALE



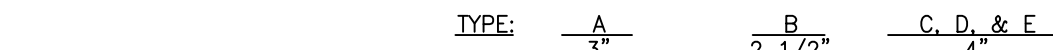
DATE	APPR
DATE	SYN
APPROVED	
ACTIVITY - SATISFACTORY TO	
DATE	
APPROVED	
FOR C.O. COMMANDER, NAVFAC	
<i>Christopher B. Morris</i>	
DATE	DATE
A/E	PWC
DESIGN	DLB
DRAWN	DLB
REVIEW	CBM
CC	
CHIEF	ARCH/ ENGR.
PROJECT MANAGER	C.B. MORRIS
FIRE PROTECTION	
BRANCH MANAGER	D.W. GREENFIELD
DESIGN DIRECTOR	DALE M. FIET
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVAL AIR STATION OCEANA	VIRGINIA BEACH, VIRGINIA
NAVS OCEANA	DAM NECK ANNEX
VEHICLE STORAGE BUILDING	
ELECTRICAL FLOOR PLANS	
CODE ID. NO. 80091	SIZE D
SCALE: AS NOTED	
PWC DWG. NO. 10,603	
JOB ORDER NO. 1776176	
SPEC. NO. 05-03-1007	
CONSTR. CONTR. NO. N62470-03-C-1007	
NAVFAC DRAWING NO.	
SHEET 19 OF 21	
E-101	



C

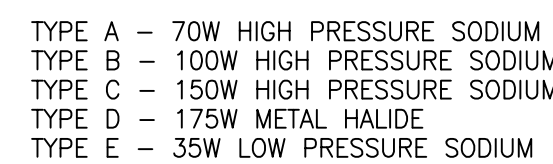
- TYPE A - 2 F32/T8 LAMPS
TYPE B - 2 F96/T12 LAMPS
TYPE C - 4 F32/T8 LAMPS IN TANDEM (96" FIXTURE LENGTH)

SKETCH DATE	NOVEMBER 1995	STYLE	NL-6
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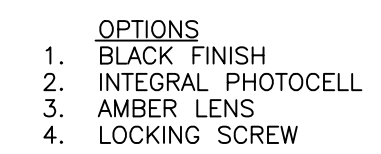


TYPE A - 2'x2'	2	F40/T5	LONG TWIN TUBE	LAMPS
TYPE B - 1'x4'	2	F32/T8	LAMPS	
TYPE C - 2'x4'	2	F32/T8	LAMPS	
TYPE D - 2'x4'	3	F32/T8	LAMPS	
TYPE E - 2'x4'	4	F32/T8	LAMPS	

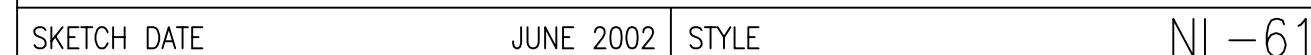
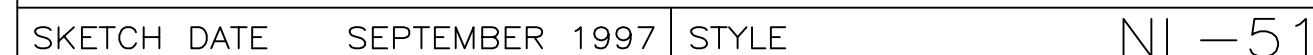
SKETCH DATE	NOVEMBER 1995	STYLE	NL-3
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SKETCH DATE	NOVEMBER 1995	STYLE	NL-25
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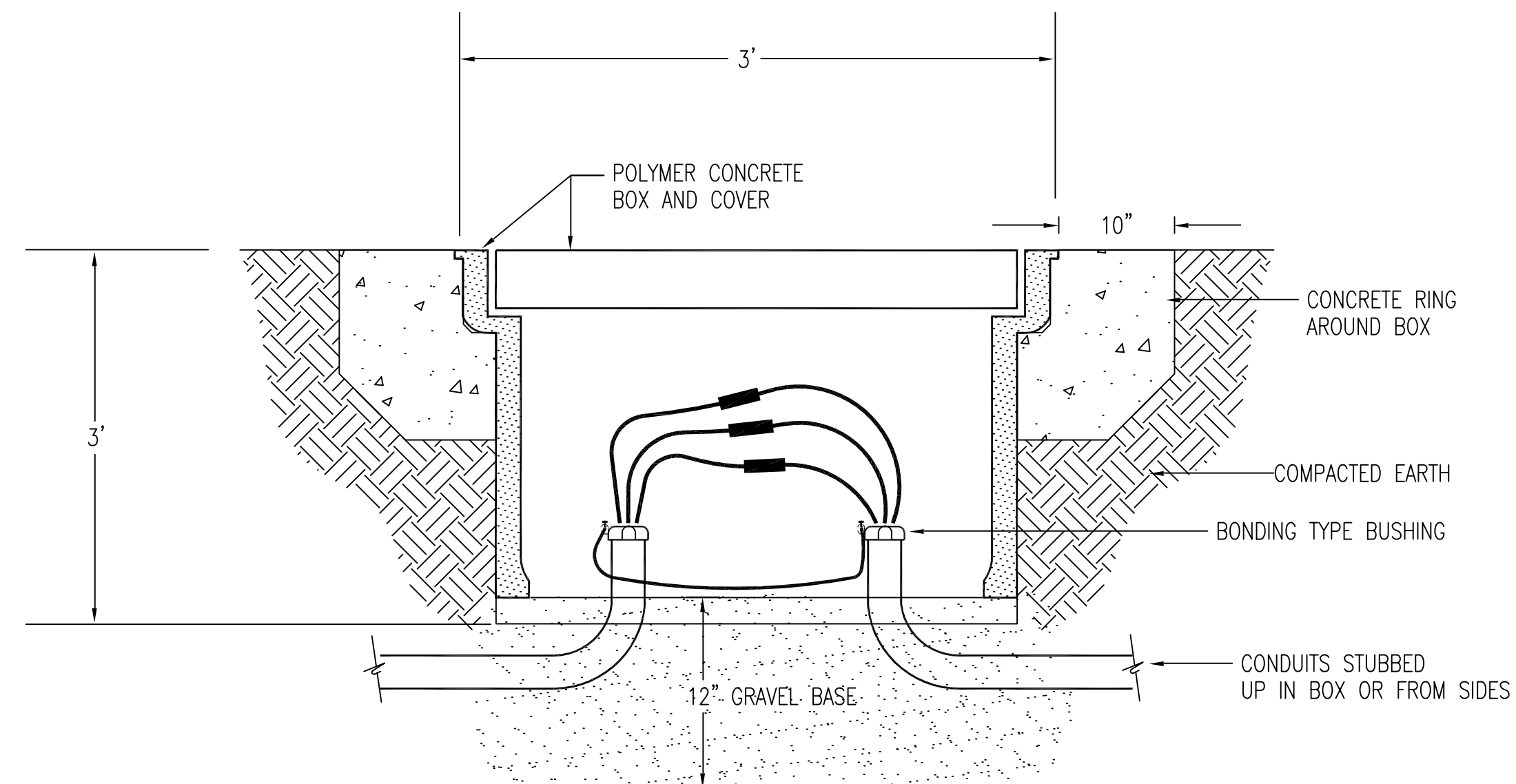
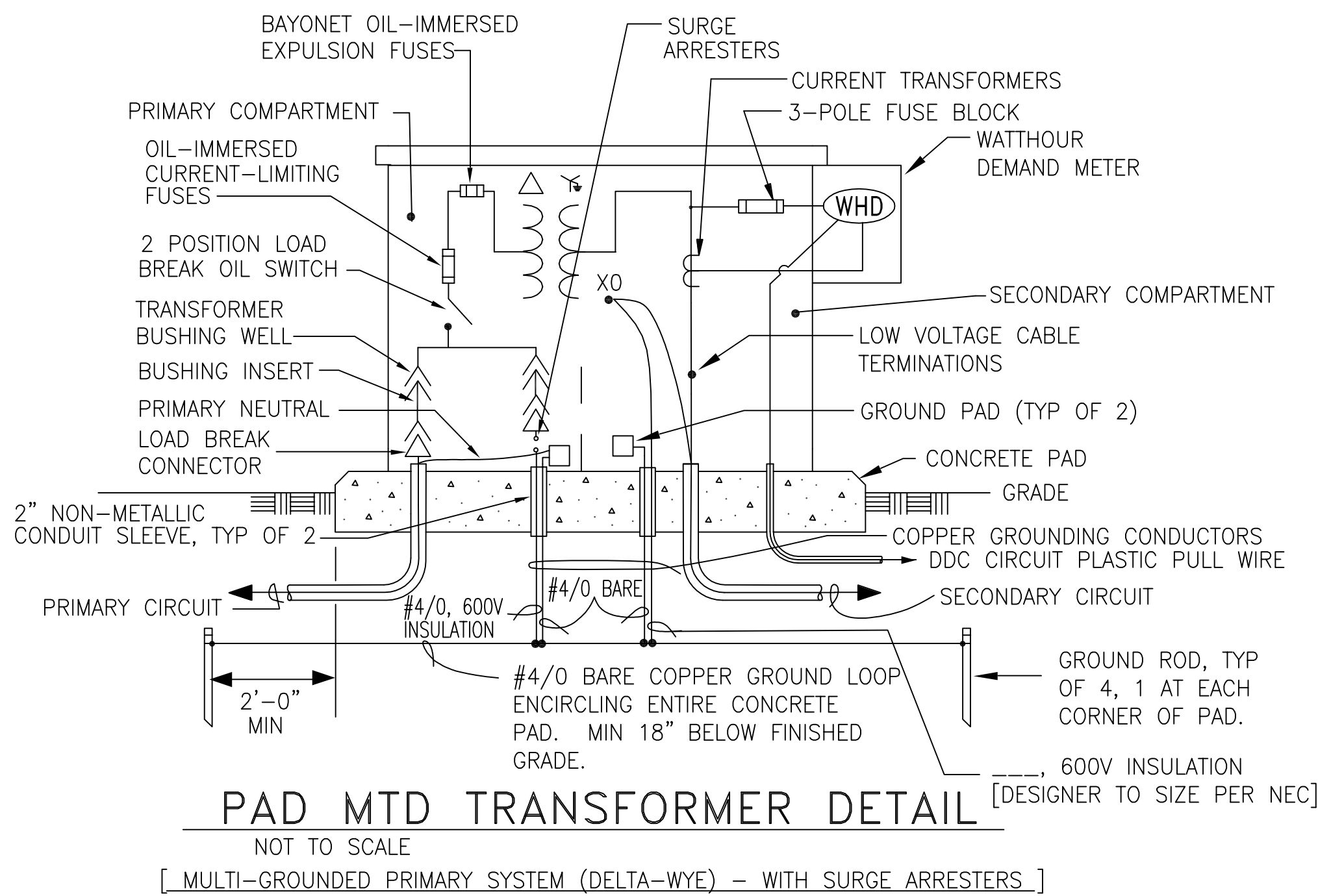


SKETCH DATE	NOVEMBER 1995	STYLE	NL-26
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[illegible]

D

C



B

A

NEW PANEL "P"														120 / 208 V 3 PH-4 W 400 A- 3 P MCB 10 KAIC									
LOAD SERVED	LOAD			BKR TRIP	WIRE SIZE	CKT NO.				BKR TRIP	WIRE SIZE	CKT NO.	LOAD			LOAD SERVED							
	A	B	C				A	B	C				A	B	C								
COMPRESSOR #1	45			60	6	1				2	6	60	45			COMPRESSOR #2							
		45		60	6						6	60		45									
			45	60	6						6	60			45								
UNIT HEATER #1-1	60			80	4	3				4	4	80	60			UNIT HEATER #1-2							
		60		80	4						4	80		60									
UNIT HEATER #1-3			60	80	4	5				6	10	30			18	UNIT HEATER #2-1							
	60			80	4						10	30	18										
CONDENSER UNIT (CU-1)		20		30	10	7				8	3	100		80		AIR HANDLER UNIT (AHU-1)							
			20	30	10						3	100			80								
EXHAUST FAN-1-1	20			30	10	9				10	10	30	20			EXHAUST FAN-1-2							
INTAKE DAMPER (IL-1-1) GFI		10		20	12	11				12	12	20		10		INTAKE DAMPER (IL-1-2) GFI							
LTS - MEZZANINE			15	20	12	13				14	12	20			15	REC - MEZZANINE							
LTS/REC MECH/JAN ROOMS	5			20	12	15				16	12	20	5			REC OFFICE - SOUTH WALL							
LTS OFFICE		10		20	12	17				18	12	20		5		REC OFFICE - NORTH WALL							
LTS EAST BAY AREA			12	20	12	19				20	12	20			5	REC EAST BAY WALL							
LTS CENTER BAY AREA	12			20	12	21				22	12	20	5			REC WEST BAY WALL							
LTS WEST BAY AREA		12		20	12	23				24	10	30		20		ROLL-UP DOORS							
EXT LTS PERSONNEL DOORS			5	20	12	25				26	12	20			5	FLOOD LTS WEST SIDE							
EXIT/EMERG LTS	10			20	12	27				28		20				SPARE							
SPARE				20		29				30						SPACE							
SPACE						31				32						SPACE							
LOCATED IN MECH ROOM				TOTAL CONNECTED LOAD (AMPS)				A= 365A B= 377A C= 325A				MOUNTING: SURFACE ENCLOSURE: NEMA 1 FEEDER: 600KCMIL AIC EACH CB: 10,000											